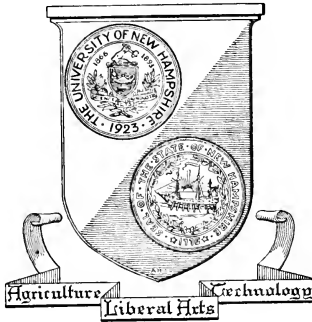


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FIFTY-EIGHTH ANNUAL REPORT
OF THE
RECEIPTS AND EXPENDITURES
OF THE
CITY OF MANCHESTER

NEW HAMPSHIRE

FOR THE FISCAL YEAR ENDING

DECEMBER 31, 1903

TOGETHER WITH

OTHER ANNUAL REPORTS AND PAPERS RELATING
TO THE AFFAIRS OF THE CITY.



MANCHESTER, N. H.
PRINTED BY THE JOHN B. CLARKE COMPANY



1904

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1903

MANCHESTER CITY GOVERNMENT. 1903.

Mayor.

EUGENE E. REED.....Office, City Hall

Chosen at biennial election in November, 1902. Salary, \$1,800 per annum, payable quarterly. (Act of June, 1848, section 1. Chapter 223, Laws of 1883. Public Statutes, chapter 47.)

Aldermen.

Ward 1. Charles F. Read, 36 M. S. Block, Water street.

Ward 2. Fred K. Ramsey, 916 Chestnut street.

Ward 3. Alvin H. Keith,* 211 Bridge street.

Ward 4. Charles H. Clark, 453 Maple street.

Ward 5. Richard J. Barry, 232 Lake avenue.

Ward 6. Rollin B. Johnston, 479 East Spruce street.

Ward 7. Samuel F. Davis, 50 Middle street.

Ward 8. G. Walter Taylor, 23 Boynton street.

Ward 9. Mederique R. Maynard, 324 Dubuque street.

Ward 10. William E. Dunbar, 1025 Hayward street.

Salary, \$3 per meeting, amount not to exceed \$200 annually.

President of the Common Council.

Charles E. Chase, 384 Walnut street.

Members of the Common Council.

Act of January, 1897, chapter 198.

WARD 1.

Ernest W. Wiesner, 19 Market street.

Alexander Hanna, 5 Boyden street.

Frank L. Danielson, 3 Stark street.

* Died December 5, 1903.

WARD 2.

Charles E. Chase, 384 Walnut street.
 Silas R. Wallace, 66 Brook street.
 Frank B. Stevens, 144 Blodget street.

WARD 3.

Alfred L. Gadbois, 110 Bridge street.
 Thomas Smith, 24 South street.
 John L. Rydin, 9 Jane street.

WARD 4.

Moses D. Allard, 34 Vine street.
 Stephen B. Stearns, 646 Amherst street.
 Abraham L. Garmon, 517 Manchester street.

WARD 5.

Bryan J. Connor, 259 Cedar street.
 James Jennings, 21 Laurel street.
 Charles Robitaille, 144 Cedar street.

WARD 6.

William H. Marshall, 425 Beacon street.
 G. Irving Haselton, 404 Lake avenue.
 Frank T. E. Richardson, 481 Lincoln street.

WARD 7.

Robert Edgar, 70 West Merrimack street.
 Dennis Breen, 8 West Merrimack street.
 Joseph L. Simpkins, 16 Manchester Print Works.

WARD 8.

Henry A. Caswell, 107 Boynton street.
 Israel H. Barnes, 170 Walker street.
 Richard A. Neubert, 77 Cleveland street.

WARD 9.

Arthur Provost, 526 Beauport street.
 Trefle Raiche, 436 Rimmon street.
 Christoph Reischer, 79 Conant street.

WARD 10.

Forrest E. Bean, Island Pond Road.
 George B. Merrow, 25 Elm street.
 George F. Tuxbury, 188 Wilson street.
 No salary.

Clerk of the Common Council.

Harry A. Piper, 112 Manchester street.

Salary, \$50. (General Laws, chapter 46, sections 7-9. City Laws and Ordinances, page 33, chapter 6, section 11.)

City Clerk.

Edward C. SmithOffice, City Hall

Salary, \$1,350 and fees. (Laws, 1899, chapter 6.) Chosen in January, biennially, by board of aldermen. Residence, 900 Union street. Also clerk of all committees of the board of aldermen; salary, \$200.

City Clerk's Clerk.

Florence A. RobinsonCity Clerk's Office, City Hall

City Auditor.

James E. DodgeOffice, City Hall

Salary, \$1,200. Appointed by mayor and approved by board of aldermen in January, biennially. (Laws of 1889, chapter 287. City Ordinances, pages 44, 71, 83-88, 173.) Residence, River road north.

Auditor's Clerk.

Lizzie M. Cogswell.....Auditor's Office, City Hall

City Treasurer.

Fred L. AllenOffice, City Hall

Salary, \$1,350. Elected by board of aldermen in January, biennially. (Act of January, 1897, chapter 198.) Residence, 33 Walnut street.

Treasurer's Clerk.

Mabel L. HowTreasurer's Office, City Hall

Collector of Taxes.

George E. MorrillOffice, City Hall

Salary, \$1,350, fees, and allowance for horsehire. Elected by mayor and aldermen before May 1, biennially. (Act of July, 1851. Act of June, 1859, section 6. Act of 1897, chapter 198. Public Statutes, chapter 43. City Laws and Ordinances, chapter 33.) Residence, 740 Chestnut street.

Deputy Collector of Taxes.

Edwin C. PaulCollector's Office, City Hall
 Joseph A. Guevin.....Collector's Office, City Hall

Salary, \$800. Appointed by tax collector with approval of mayor and aldermen. (City Laws and Ordinances, chapter 33, section 3.)

City Solicitor.

George A. Wagner.....Office, Pickering Building

Salary, \$800. Elected by board of aldermen in January, biennially. (Act of 1897, chapter 198.) Residence, 332 Orange street.

City Messenger.

John A. BarkerOffice, City Hall

Salary, \$700. Elected by board of aldermen in January, biennially. (City Laws and Ordinances, chapters 4, 6.) Residence, 49 Appleton street.

Board of Aldermen.

STANDING COMMITTEES.

- On Accounts.*—Read, Clark, Ramsey.
On Bills on Second Reading.—Read, Taylor, Dunbar.
On City Farm and House of Correction.—Johnston, Taylor, Keith.
On Claims.—Davis, Johnston, Clark.
On Cemeteries.—Dunbar, Ramsey, Taylor, Clark, Keith.
On Enrollment.—Davis, Barry, Johnston.
On Finance.—The Mayor, Dunbar, Clark.
On Fire Department.—Barry, Johnston, Taylor.
On Lands and Buildings.—Dunbar, Read, Davis.
On Licenses.—Keith, Davis, Barry.
On Lighting Streets.—Ramsey, Barry, Keith.
On Military Affairs.—Maynard, Read, Keith.
On Public Health.—Taylor, Ramsey, Davis.
On Setting Trees.—Barry, Maynard, Dunbar.
On Sewers and Drains.—Maynard, Ramsey, Read.
On Streets.—Clark, Maynard, Johnston.
 Member first named is chairman of respective committee.
 Clerk of Committees, Edward C. Smith. Salary, \$200 annually.

Common Council.

No. 1. On Central Department, Auditor's, Engineer's, and Department of Taxes.—Simpkins, Rydin, Neubert, Garmon, Raiche.

No. 2. On Street and Sewer Department.—Caswell, Provost, Stevens, Haselton, Breen.

No. 3. On School Department.—Garmon, Richardson, Wiesner, Chase, Reischer.

No. 4. On Fire Department.—Morrow, Smith, Edgar, Raiche, Jennings.

No. 5. On Public Buildings and Public Places.—Wallace, Neubert, Danielson, Robitaille, Tuxbury.

No. 6. On Health, Police Department, Public Library, Patriotic, Charitable and Philanthropic.—Stearns, Marshall, Allard, Connor, Haselton.

No. 7. On Lighting Streets.—Gadbois, Bean, Smith, Barnes, Hanna.

Finance Committee.

President of the Common Council Charles E. Chase, chairman, *ex officio*, and the chairman of the different committees named above: Joseph L. Simpkins, Henry A. Caswell, Abraham L. Garmon, George B. Morrow, Silas R. Wallace, Stephen B. Stearns, and Alfred L. Gadbois.

City Physician.

John H. DeGross.....Office, Kennard Building

Salary, \$600. Elected by board of aldermen in January, biennially. (Act of 1897, chapter 198. City Ordinances, chapter 9, sections 29, 30.) Residence, 52 Clarke street.

City Engineer.

Samuel J. LordOffice, City Hall

Salary, \$1,350 and allowance for horsehire. Chosen by board of aldermen in January, biennially. (City Ordinances, chapter 6, sections 33, 34.)

ENGINEER'S ASSISTANTS.

Harrie M. Young.

Harry J. Briggs.

George M. Wales.

Alfred T. Dodge.

Henry A. Worthen.

STENOGRAPHER.

Ella B. Davis.

Water Commissioners.

(Chapter 70, Laws of 1871. City Ordinances, chapter 36, and Laws of 1891, chapter 26, page 319, act approved March 31, 1891. Chapter 183,

Laws of 1893.) One commissioner elected annually by mayor and aldermen, in the month of September, for a term of six years. Office at court house, corner Franklin and West Merrimack streets. Telephone at office and at pumping station.

The Mayor, *ex officio*.

Charles H. Manning. Term expires January, 1907.

Frank Dowst. Term expires January, 1906.

William Corey. Term expires January, 1905.

Edgar J. Knowlton. Term expires January, 1904.

Harry E. Parker. Term expires January, 1909.

Charles M. Floyd. Term expires January, 1908.

Charles H. Manning, chairman.

Superintendent of Water-Works.

Charles K. Walker.....Office, Court House, Franklin street

Salary, \$2,400. Chosen by water commissioners annually. Residence, 68 South Main street, West Manchester.

Clerk of Water-Works.

Arthur E. StearnsOffice, Court House, Franklin street

Salary, \$1,800. Chosen by water commissioners annually.

Engineer at Old Pumping Station.

Josiah Laselle. Salary, \$700, rent, fuel, and use of land.

Chosen by water commissioners annually.

Engineer at New Pumping Station.

C. A. Whitney, \$2.50 per day, rent, and fuel.

Justice of the Police Court.

Isaac L. Heath, court room at police station, corner Manchester and Chestnut streets.

Salary, \$1,500. Appointed by the governor with the advice of the council. (General Laws, chapter 215; chapter 163, sections 17, 18, 19, of the Laws of 1878, as amended by chapter 236, Laws of 1881. Public Statutes, chapter 211.)

Associate Justice of the Police Court.

George W. Prescott. Salary, \$300 per annum.

Appointed by the governor, with the advice of the council. (Chapter 215, General Laws, sections 2-14. Public Statutes, chapter 211. Chapter 296, Laws of 1893.)

Clerk of the Police Court

John C. Bickford. Salary, \$600.

Appointed by the justice of the police court. (Chapter 163, sections 17-19, General Laws, amended by chapter 236, Laws of 1881. Public Statutes, chapter 211.) Residence, 15 Ash street.

Police.

The members of the police are appointed by the police commissioners, and hold their commissions during good behavior. They are, by virtue of their appointment, constables and conservators of the peace, and their jurisdiction extends throughout the city. (Chapter 253, section 5, General Laws; chapter 303, Laws of 1887; chapter 202, Laws of 1893.) Police station at the corner of Chestnut and Manchester streets.

Police Commissioners.

See chapter 202, Laws of 1893.

Noah S. Clark, clerk. Term expires January, 1904.

Frank P. Cheney. Term expires January, 1908.

Edward B. Woodbury, chairman. Term expires January, 1906.

Chief of Police.

Michael J. HealyOffice at Police Station

Salary, \$2,000. Residence, 304 Central street. Telephone at house and office.

Deputy Chief of Police.

John F. CassidyOffice at Police Station

Salary, \$1,500. Residence, 569 Hanover street.

Captain of the Watch.

Thomas E. Steele. Salary, \$2.50 per day. Residence, 253 Walnut street.

Sergeants.

Leon E. Magoon. Salary, \$2.50 per day. Residence, 261 Blodget street.

John T. O'Dowd. Salary, \$2.50 per day. Residence, 90 Adams street.

Patrolmen.

Adler, Leonard J.
 Archambeault, Joseph
 Badger, John C.
 Bean, Randall W.
 Bourassa, Frank E.
 Brown, John G.
 Butler, James S.
 Callaghan, Peter
 Connor, John J.
 Coolidge, Edgar L.
 Dunn, James F.
 Dustin, Frank J.
 Farrell, Joseph A.
 Foye, William F.
 Hampston, James S.
 Hampston, Patrick F.
 Healy, John D.
 Heneault, Edward
 Hildreth, Clifton B.
 Hutchins, Dexter B.

Lovejoy, George A.
 Lynch, John J.
 Marden, Frank W.
 McQuade, Edward H.
 Moher, William
 Moore, Frank P.
 Moriarty, Mortimer J.
 O'Malley, John F.
 Parmenter, Wallace C.
 Poehlman, Oscar R.
 Proctor, Levi J.
 Rainville, Frank
 Russell, Albert
 Shea, Jeffrey
 Somers, Elmer E.
 Sullivan, Florence.
 Sweeney, James
 Tilton, Asa N.
 Welch, John T.
 Wheden, Eben E.

Janitors of Station.

Frank P. Wiggin. Salary, \$2.00 per day. Residence, 156 Merrimack street.

Charles H. Skinner. Salary, \$2.00 per day. Residence, 335 East High street.

Matron.

Miss A. B. Brown. Salary, \$125 per annum. Residence, 228 Merrimack street.

School Committee.

Chosen at the biennial election in November, 1902; mayor and president of the common council members *ex officio*. The board of school committee choose the clerk of the board, the superintendent of public instruction, the truant officer, and the teachers in the public schools, and determine their salaries. They have charge of the repairs of schoolhouses, to a limited extent, and the purchase of free text-books and other supplies, and are limited by the appropriations of the city councils. The salary of the committee is \$10 each.

	WARD 1.	
Walter B. Heath.		Elliot C. Lambert.
	WARD 2.	
John W. Johnston		Will C. Heath.
	WARD 3.	
George D. Towne.		Louis E. Phelps.
	WARD 4.	
Nathaniel L. Colby.		Isaac N. Cox.
	WARD 5.	
John T. Kelley.		John F. Lee.
	WARD 6.	
Eugene B. Dunbar.		Harry L. Davis.
	WARD 7.	
Edward B. Woodbury.		Edson S. Heath.
	WARD 8.	
Walter B. Mitchell.		Benjamin Price.
	WARD 9.	
Marie Gauthier.		Richard E. Walsh.
	WARD 10.	
Mark E. Harvey.		Harry H. Burpee.
Eugene E. Reed, <i>ex officio</i> , chairman.		
Charles E. Chase, <i>ex officio</i> .		
George D. Towne, vice-chairman.		
Elliot C. Lambert, clerk.		

Superintendent of Public Instruction.

Charles W. BickfordOffice, City Hall
Salary, \$2,300.

Superintendent's Clerk.

Fannie L. SanbornResidence, 161 Hanover street
Salary, \$500.

Truant Officer.

Curtis W. DavisOffice, City Hall
Salary, \$850 and allowance for horsehire. Residence, 849 Chestnut street.

Assessors.

One assessor from each ward chosen at the biennial election in November. Paid \$2.50 for each day while employed in the assessment and abatement of taxes. Office, City Hall. (Charter, section 25. Public Statutes, chapter 48, section 1; chapter 50, section 4; chapter 49, sections 10, 11, 12. City Ordinances, chapter 6, section 26.) Assistant assessors, not exceeding six, chosen by the city councils.

- Ward 1. John L. Sanborn, 25 Market street.
- Ward 2. John K. Wilson, 67 Blodget street.
- Ward 3. David O. Fernald, 384 Lowell street.
- Ward 4. Harrison D. Lord, 387 Hanover street.
- Ward 5. George F. Sheehan, 85 Cedar street.
- Ward 6. Leroy M. Streeter, Mammoth road.
- Ward 7. Robert Leggett, 50 Amoskeag Corporation.
- Ward 8. Eugene W. Brigham, 6 Marlboro street.
- Ward 9. Denis Vigneault, 564 Cartier street.
- Ward 10. George M. French.

CHAIRMAN OF ASSESSORS.

David O. FernaldOffice, City Hall

CLERK OF ASSESSORS.

Eugene W. BrighamOffice, City Hall

ASSISTANT ASSESSORS.

Charles W. Brown.	Harry J. Woods.
Robert Edgar.	Henry F. Stone.
Clarence M. Woodbury.	Charles D. Gadbois.

Inspectors of Check-Lists.

One in each ward chosen at the biennial election in November. Compensation, \$2.25 per day for each day actually employed. Office, City Hall. (Laws of 1878, chapter 163, sections 5, 6, 7, 9, 10, 11, 12, 13, 14, 16, and City Ordinances, chapter 14, section 9.)

- Ward 1. William F. Grauer.
- Ward 2. Charles B. Tucker.
- Ward 3. Arthur W. Rowell.
- Ward 4. Albert T. Barr.
- Ward 5. Martin J. Whalen.
- Ward 6. George Taylor.
- Ward 7. Joseph A. Foster.
- Ward 8. Charles C. Tinkham.

Ward 9. Norbert Descoteau.
 Ward 10. John J. Connor.
 Charles C. Tinkham, chairman.
 Charles B. Tucker, clerk.

Overseers of the Poor.

One in each ward, chosen at biennial election in November. The mayor is a member *ex officio*. Compensation, \$50 per annum, each; clerk of the board, \$125 per annum, determined by City Ordinances, chapter 14, section 18, as amended by Ordinance of August 5, 1890, and July 2, 1901. Meet third Wednesday of each month in City Hall building.

Ward 1. George E. Davis, 40 Amoskeag Corporation.
 Ward 2. William H. Maxwell,* 345 Walnut street.
 Ward 3. Edward H. Holmes, 517 Chestnut street.
 Ward 4. Charles B. Clarkson, 329 Amherst street.
 Ward 5. Thomas F. Sheehan, 364 Beech street.
 Ward 6. Charles Francis, Candia road.
 Ward 7. William Marshall, 80 Amoskeag Corporation.
 Ward 8. Henry Lein, 118 Third street.
 Ward 9. Thomas C. Stewart, 584 Main street.
 Ward 10. Moses C. Morey, 276 Nutt road.
 Eugene E. Reed, *ex officio*. Office, City Hall.
 Thomas C. Stewart, clerk.

Board of Health.

(City Ordinances, chapter 14, section 10, as amended. Laws of 1885, chapter 165; Laws of 1887, chapter 227; Public Statutes, chapters 108, 109, 110.) One member appointed by the mayor in January of each year, to hold office for a term of three years. Salary, \$200 each per annum. Office, Court House, West Merrimack, corner of Franklin street.

John C. Bickford. Term expires first Monday in February, 1903.
 William K. Robbins. Term expires first Monday in February, 1904.
 William M. Parsons. Term expires first Monday in February, 1905.
 Joseph E. A. Lanouette. Term expires first Monday in February, 1906.
 William B. Blake, sanitary inspector. Office, Court House, Merrimack, corner of Franklin street.
 John F. Looney, sanitary inspector. Office, Court House, Merrimack, corner of Franklin street.
 Carl O. Seaman, sanitary inspector. Office, Court House, Merrimack, corner Franklin street.
 M. Alma Fracker, office clerk.

*Died October 9, 1903, and Daniel G. Andrews elected by board of Aldermen to fill the vacancy.

Fire Department.

The chief engineer and four assistant engineers are chosen biennially in the month of January, by a majority of the city councils in convention. The salary of the chief engineer is \$1,500 per annum; the assistant engineers, each \$250 per annum. They exercise the powers and perform the duties of firewards. The said engineers constitute the board of engineers, and elect a clerk whose compensation is \$25 a year. The annual compensation of the call members of the several hook-and-ladder, hose, steam fire engine, and chemical companies is as follows: Captains, each \$165; lieutenants, each \$160; clerks, each \$160; call engineers, each \$185; assistant engineers, each \$155; all other members, each \$150, payable in semi-annual payments, on the first of January and July. (Laws of 1870, chapter 99. General Laws, chapter 106. City Ordinances, chapters 6 and 12.) Six members are permanently employed as engineers at \$76.25 per month each, and twenty-one as drivers at \$68.33 1-3 per month each, six other permanent men at \$65 per month each, permanent captains, \$75 per month each, and receive no compensation as call members. Members and officers of each company are appointed by the board of engineers.

Chief Engineer.

Thomas W. LaneOffice, Central Station, Vine street
Residence, 1937 Elm street. Telephone at house and office.

ASSISTANT ENGINEERS.

Clarence R. Merrill.	Fred S. Bean.
John F. Seaward.	Arthur Provost.
Clarence R. Merrill, clerk.	

Trustees of City Library.

(Law of 1854, chapter 1588. See contract with Manchester Atheneum, printed on pages 107 and 108 of City Report for fiscal year ending January 31, 1855.) Board of seven trustees, one of whom is elected by aldermen and board of trustees in joint convention in September, annually. Term of service, seven years, no salary. Two additional trustees, mayor, and president of common council, *ex officio*.

Frank P. Carpenter, Elm, corner West North street. Term expires October 1, 1909.

Nathan P. Hunt, 747 Union street. Term expires October 1, 1908.

Herman F. Straw, 607 Chestnut street. Term expires October 1, 1907.

Walter M. Parker, 1883 Elm street, corner of Webster. Term expires October 1, 1906.

Roger G. Sullivan, 168 Walnut street. Term expires October 1, 1905.

Henry W. Boutwell, 587 Union street. Term expires October 1, 1904.

Joseph W. Fellows, 186 Lowell street. Term expires October 1, 1903.

William P. Farmer, Candia Road. Term expires October, 1910.

Eugene E. Reed, *ex officio*.
 Charles E. Chase, *ex officio*.
 Nathan P. Hunt, clerk.

City Library.

Franklin street, corner of Dean avenue. Open from 10 A. M. to 8 P. M. Saturdays to 9 P. M. Sundays, 11 A. M. to 5 P. M.

Librarian.

F. Mabel Winchell, 593 Union street. Salary, \$1,000 annually. Elected by the trustees of library.

Board of Street and Park Commissioners.

The board of aldermen, biennially, elect one member of said board for a term of six years. Not more than two members can be of the same political party. Said board, consisting of three members, has full charge, management and control of the building, constructing, repairing, and maintaining of all the streets, highways, lanes, sidewalks, bridges, public sewers and drains, and public parks and commons. (See Laws of 1893, chapter 264.) Office, City Hall building. Open from 8 to 12 A. M., 2 to 5 P. M. Regular meeting of the board at 2 o'clock P. M. each day. Salary of each member \$600 per year, payable quarterly, and each is allowed \$150 annually for horsehire.

George H. Stearns, clerk. Term expires 1904.
 Horace P. Simpson, chairman. Term expires 1906.
 Byron Worthen. Term expires 1908.

Assistant Clerk.

Bertha F. Whitney.

City Weigher.

Gilbert Lyons. Office, city scales.

Elected biennially in board of aldermen. Salary, \$500 per annum; all fees for weighing returned monthly to city treasurer with sworn statement. Stationed at city scales on Franklin street.

Sealer of Weights and Measures.

Charles B. Clarkson.

Elected biennially in January by board of aldermen. Paid by fees. (Section 25, chapter 43, Public Statutes, and chapter 125, Public Statutes.)

Trustees of Cemeteries.

(City Ordinances, chapter 39, sections 1, 2, 3, 4.) Two trustees elected by board of aldermen in January, annually, for the term of four years. Sub-trustees appointed by board of trustees.

J. Adam Graf, 10 Middle street. Term expires January, 1905.
 William H. Maxwell, 476 Front street. Term expires 1907.
 John L. Sanborn, 25 Market street. Term expires 1906.
 Bushrod W. Hill, 299 Hanover street. Term expires 1906.
 Stillman P. Cannon, 99 Lowell street. Term expires 1905.
 Charles E. Stearns, 329 Front street. Term expires 1907.
 Edwin F. Jones, 15 High street. Term expires January, 1904.
 Harrie M. Young, 33 Dutton street. Term expires January, 1904.
 Fred L. Allen, clerk and treasurer, 33 Walnut street.

Sub-Trustees of Cemeteries.

VALLEY CEMETERY.

Aldermen Fred K. Ramsey and Alvin H. Keith, John L. Sanborn, Bushrod W. Hill, and Stillman P. Cannon.

PINE GROVE CEMETERY.

Aldermen William E. Dunbar and Charles H. Clark, J. Adam Graf, Harrie M. Young, and Edwin F. Jones.

AMOSKEAG CEMETERY.

Alderman G. Walter Taylor; Charles E. Stearns and William H. Maxwell.

SUPERINTENDENT OF PINE GROVE CEMETERY.

John Erskine. Office and residence at the cemetery.

SUPERINTENDENT OF VALLEY CEMETERY.

Charles H. G. Foss. Office at the cemetery; residence, 747 Summer street.

TRUSTEES OF CEMETERY FUND.

Norwin S. Bean.
 Charles H. Anderson.
 Eugene E. Reed, *ex officio*.

Inspector of Buildings.

Edwin S. Foster.....Office, City Hall

Residence, 11 Linden street. Appointed by board of mayor and aldermen, biennially, in February. Salary, \$800 per annum and an allowance for horsehire. (City Ordinances, chapter 15. Laws of 1883, chapter 94.)

Inspectors of Oil.

J. Oscar Burbank.

John Cayzer, 383 Granite street.

(Public Statutes, chapter 129, sections 25-34. City Ordinances, chapter 25.) Paid by fees, $\frac{1}{4}$ of one per cent per gallon.

Board of Examiners of Plumbers.

Appointed by the mayor.

William K. Robbins.

Samuel J. Lord.

Christian L. Wolf.

William K. Robbins, president.

Samuel J. Lord, clerk.

Sinking Fund Commissioners.

Horace P. Simpson, chairman.

Fred L. Allen, clerk and treasurer.

Charles H. Manning.

Moderators.

Elected biennially. (General Laws, chapter 31, sections 3, 9; chapter 36, section 9; chapter 44, section 7. City Ordinances, page 18. See Public Statutes relating to towns and cities.)

Salary, \$15.00, payable at expiration of term.

Ward 1. Abial W. Eastman.

Ward 2. William M. Butterfield.

Ward 3. George E. Prime.

Ward 4. George H. Phinney.

Ward 5. Owen Kenney, 2d.

Ward 6. Harry L. Davis.

Ward 7. Johann A. Graf.

Ward 8. John G. McAllaster.

Ward 9. Desire Dusseault.

Ward 10. William B. Burpee.

Ward Clerks.

Elected biennially. (General Laws, chapter 44, sections 10, 12. City Ordinances, page 18. Public Statutes relating to towns and cities.)

Salary, \$20.00, payable at expiration of term.

Ward 1. Charles D. Sumner.
 Ward 2. Robert L. Manning.
 Ward 3. George W. Cook.
 Ward 4. Frank P. Collins.
 Ward 5. Frank M. Fox.
 Ward 6. Leslie W. Dolloff.
 Ward 7. Charles E. Bartlett.
 Ward 8. Robert A. Leckie.
 Ward 9. Rodolphe Desfosses.
 Ward 10. Orion A. Oviatt.

Selectmen.

Elected biennially. (General Laws, chapter 1, section 27; chapter 12, section 6; chapter 40, sections 2, 3; chapter 109, section 27; chapter 213, section 1. City Ordinances, page 18. Public Statutes relating to towns and cities.)

Salary, \$15.00, payable at expiration of term.

WARD 1.

Joseph Tait.

Louis Sevanson.

James N. Wigmore.

WARD 2.

James F. Marsh.

Charles R. Dustin.

Samuel W. Shepard.

WARD 3.

Joel S. Daniels.

Ludwig Lindquist.

Edward St. Jean.

WARD 4.

Herman W. Colby.

Fred H. Cate.

WARD 5.

William M. Walker.

Edward T. Allen.

Emilien Archambeault.

WARD 6.

Thomas B. Craig.

John D. Woodbury.

Charles A. Merrill.

WARD 7.

Fred A. Montgomery.

Alexander Knight.

Franklin W. McKinley.

WARD 8.

William R. Blakeley.

Fred W. Hoffman.

George M. Miller.

LIST OF OFFICERS.

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WARD 9.

William Broderick.

Arthur J. Provost.

Frank J. Hanel.

WARD 10.

John S. Lovering

Matthew B. McGuinness.

Leon L. McIntire.

INAUGURAL ADDRESS.



INAUGURAL ADDRESS.

MANCHESTER, N. H., January 6, 1903.

Gentlemen of the City Councils of the City of Manchester:

Conforming to the custom of my predecessors in office it is appropriate at this time that I should comment briefly upon the condition of municipal affairs.

We have been elected to perform certain duties connected with the government of the city of Manchester; we have taken oath to perform those duties faithfully, according to our respective offices, and now formally assume the responsibility thereby imposed. First of all, let us remember that in the administration of office, we are the servants of the whole people, and it is their interest that we should carefully guard, without reference to our party affiliations.

OUTLINE OF POLICY.

After four years' experience in the Board of Aldermen, I have formed the opinion that it is impracticable to definitely outline what should be done in city affairs for the coming two years at the time of the inauguration of a new city government. New conditions, which are always likely to arise and which cannot be anticipated, may make demands upon us entirely different from those of the present, and we will be more consistent if we content ourselves with the general promise, to meet each matter that comes before us, with a mind single to the requirements of economy and the highest standard of municipal business administration.

However, there are certain specific things for which we ought to strive, and the one which stands out most prominently before the citizens, is the reduction of the tax rate; and another, of scarcely less importance, and which must have an important bearing in accomplishing such a reduction, is the making of a favorable contract for municipal lighting.

A LOW TAX RATE.

A low tax rate is of the utmost importance in furthering the growth and prosperity of our city. It is one of the favorable conditions which induces the investment of outside capital and the extension of operations on the part of business enterprises already located here. In our efforts to accomplish this most desirable result, we are limited in our field of endeavor.

THE PUBLIC SCHOOLS.

No good citizen would counsel parsimony in dealing with the public schools. Their successful extension to meet all the requirements of liberal education is one of the foundation stones of civic virtue.

THE FIRE DEPARTMENT.

No more could we recommend any cut in the appropriation for the fire department, if such a reduction would have a tendency to impair the high standard of excellence which has been maintained by this department. The appropriation for the year just closed was \$90,850.00. This is a large sum of money, and it is doubtful if any other city of this size appropriated as much for this purpose. It is also doubtful if any city of its size is so well protected and has so efficient a fire department.

THE STREET AND SEWER DEPARTMENT.

Another large item in the budget is the appropriation for the street and sewer department, this last year amounting to \$143,700. This appropriation included \$12,000 for paving on Elm street and \$4,000 for paving on Canal street, which completed the work of paving Elm street in the busiest portion of this thoroughfare and also that part of Canal street that demanded immediate attention. Any further expenditure of money in this particular direction may well be suspended for the present; for, although much needed, these improvements have been made at the expense of the outlying districts, which have not received the attention they deserved. After the appropriations are made for this department, all responsibility for the character and, to a large extent, the distribution of the work passes out of the hands of the city government. Under the provisions of the act creating the Street and Park Commission, autocratic power is given to this board. They are responsible to no one, and whatever measure of merit or demerit attaches to the work, properly belongs to them. Before the creation of the Street and Park Commission, the Aldermen from the several wards made it their effort, each to obtain for his section a fair distribution of the money appropriated for needed improvements, and in this respect a better distribution was made of the public work than can be had under a commission composed of three men accountable to no one but themselves.

THE CITY FARM.

The appropriation for the city farm for the year just closed was \$8,600, besides which we paid \$9,000 for paupers off the farm. These figures would indicate, even when reduced by such sums of money as are received from the city farm, that this institution was an expensive luxury, and it is the opinion of citizens, who have given this subject careful consideration, that here is an opportunity for retrenchment. We are bound to do everything that becomes an enlightened community for this unfortunate class, but whatever is done, should be

done in the best way, and above all, we should avoid extravagance. I will not, at this time, make any recommendations, but believe the subject deserves careful consideration at the hands of this city government.

APPROPRIATIONS FOR PATRIOTIC, CHARITABLE, AND PHILANTHROPIC PURPOSES.

Our appropriations for patriotic, charitable, and philanthropic purposes cannot well be cut down. Hospitals, Grand Army Posts and patriotic bodies are rightfully provided for, and in my judgment, ought not to receive a smaller appropriation than we have been accustomed to make.

HEALTH DEPARTMENT.

Another appropriation which must be made without curtailment is that of the health department. The work of this department, as conducted by the Board of Health, has been put to such a severe test during the last three years and the demands upon it have been met with such a degree of success that there can be no difference of opinion as to our imperative duty to support that work by whatever appropriation may be necessary.

THE POLICE DEPARTMENT.

The Police Department, which for a number of years prior to 1902 had been self-supporting, is now, owing to circumstances, an item of expense upon the taxpayers of Manchester and is bound to cost us in the vicinity of \$50,000 the coming year. The affairs of this department are entirely removed from the control of the taxpayers of this city, being absolutely in the hands of a commission appointed by the governor, and supreme in their authority. We cannot be rightly charged with their omissions, nor in any way held responsible for their acts. All that concerns us at this time, is the fact that the bill must be paid, and it cannot reasonably be expected that any considerable reduction in the appropriation will be made in this item.

THE STREET LIGHTING DEPARTMENT.

One large bill against the city last year was for the street lighting department. It amounted to \$61,000. And this is a bill that has challenged much public attention. It has been freely asserted and is widely believed, that we are paying too much for what we receive, and the matter assumes additional importance in the minds of the taxpayers because the long term contract, under which we are bound, expires in June of this year. It must be conceded, that at the present time, Manchester is one of if not the best lighted city in New England, and I think we may assume that public sentiment will demand that nothing less be continued. It will be for this city government to make a new contract, and we may rest assured that the people will expect us to protect their interests by securing a substantial reduction from the present price. In the ten years that have elapsed, since the making of

the present contract, the facilities and appliances for furnishing electric lights have been greatly improved, and it is reasonably expected that we shall have no difficulty in obtaining fair concessions. However, in event of failure to secure such concession, we have always left to us the alternative of establishing a municipal lighting plant, and I would recommend, that we obtain authority from the legislature to issue bonds for this purpose, in case of need.

In this brief review, which we have taken of the city's affairs, it will be seen that the reduction of the tax rate is no easy task. We find ourselves confronted by conditions which we did not make, all resulting in a tax rate of two dollars and twenty-five cents on the hundred.

ADVERSE CONDITIONS.

It is needless for me to say that this rate is altogether too high. The problem for us to solve is how to reduce it. This is our business for the next two years. We have no authority to make or annul tax laws. We cannot control the assessors in making their invoices nor in fixing the valuation of the property liable to taxation. No more can we, as a board, go into the matter of enforcing the law which calls for a sworn inventory of taxable property on the part of taxpayers, a law which is generally disregarded. There are thousands of dollars' worth of taxable property that hides and escapes taxation altogether, but I am unable to see how we can mend the matter. The legislature makes the tax laws and the assessors are elected by the people; but however that may be, it all results in a condition entirely unfavorable to the city of Manchester, the irrational nature of which is well illustrated in the recent

AMOSKEAG TAX ABATEMENT CASES.

First, comes the Amoskeag Manufacturing company and asks for an abatement on the ground that they are taxed more in proportion than other similar property. They appeal to the court, and the court decides in their favor. Then comes the board of equalization, another body created by the legislature in the make-up of which, by the way, Manchester has no representative, and decides that the court is wrong and that the Amoskeag Manufacturing company was not assessed enough, and in consequence, dooms us \$500,000, from which we have no appeal. In view of all these things, all that we can do for the present, is to see to it that the strictest economy is observed in all matters under our control and the expenditure of the public money limited to the demands of public duty.

FINANCIAL CONDITION.

Our financial condition on January 1, 1903, as shown by the city auditor, is as follows: Bonded indebtedness, \$1,815,000; sinking fund, a little over \$300,000; cash on hand, for all purposes, \$190,943.14; bills approved and unpaid in hands of city treasurer, \$26,170.39; net cash on hand, \$144,472.75.

FINALLY.

Finally, gentlemen of the city councils, let us, as we go about our several duties, be not unmindful of the fact that the success of the administration of the public affairs entrusted to us, will be largely a matter of individual fidelity, prudence, and honor. We cannot, to any great extent, be held responsible for the good or indifferent performance of duty by others, but we are responsible for our own acts; and as each matter of public duty comes before us, let us apply to its dispatch the same rules of prudence, economy, and honesty that would govern us in our private affairs.

Respectfully,

EUGENE E. REED,

Mayor.

REPORT OF THE CITY AUDITOR.

REPORT OF THE CITY AUDITOR.

To the Board of Mayor and Aldermen:

GENTLEMEN:—The auditor herewith submits to your honorable body his report, giving a tabular statement of the receipts and expenditures for the year 1903, and a detailed statement of the expenses of each appropriation during the year.

Respectfully,

JAMES E. DODGE,

City Auditor.

REPORT OF THE CITY TREASURER FOR THE YEAR 1903.

	Dr.
Temporary Loan:	
New England Trust Co.....	\$150,000.00
E. C. Smith, city clerk:	
Dog licenses	\$1,811.65
Sewer licenses	1,407.37
Rent of tenements	143.64
Show licenses	207.00
Pool licenses	252.40
Rent of city hall	66.50
Junk dealers' licenses	56.00
Employment bureau licenses	20.00
Pawn brokers' licenses	20.00
Lunch cart licenses	10.00
Fees, intention of marriages	657.00
mortgages	124.57
conditional sales	111.25
corporations	32.50
miscellaneous records	9.50
writs	37.20
partnerships	5.50
	\$4,972.08
Police department:	
M. J. Healy	\$6,226.66
John C. Bickford	1,086.22
	\$7,312.88
Pine Grove cemetery:	
Fred L. Allen, treasurer	\$2,449.35
John H. Erskine, superintendent	4,581.36
	\$7,030.71

Merrill yard:

John H. Erskine, superintendent	\$25.50
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George E. Morrill, collector of taxes:

Taxes, 1903	\$514,622.83	
Taxes, 1902	57,226.88	
Old taxes	603.49	
Land sold for taxes, 1903, for taxes 1902....	6,683.48	
Abatement taxes, 1902	383.76	
Abatement taxes, 1903	731.68	
Redemption of land sold for taxes, 1899, for year 1898	296.93	
Redemption of land sold for taxes, 1901, for year 1900	1,485.42	
Redemption of land sold for taxes, 1902, for year 1901	1,395.83	
Redemption of land sold for taxes, 1896, for year 1895	27.43	
Redemption of land sold for taxes, 1897, for year 1896	63.97	
Redemption of land sold for taxes, 1898, for year 1897	13.92	
Redemption of land sold for taxes, 1899, for year 1898	292.25	
Redemption of land sold for taxes, 1900, for year 1899	661.13	
Redemption of land sold for taxes, 1901, for year 1900	784.75	
Redemption of land sold for taxes, 1902, for year 1901	805.22	
Redemption of land sold for taxes, 1903, for year 1902	931.68	
Interest on taxes, 1902	1,958.26	
Costs on taxes, 1902	1,709.00	
		<hr/>
		\$690,677.91

Solon A. Carter, state treasurer:

Insurance tax	\$3,000.75	
Railroad tax	43,600.74	
Savings bank tax	60,232.30	
Literary fund	3,257.98	
		<hr/>
		\$110,091.77

New Hampshire state license commission:

Licenses issued for sale of liquor	\$40,978.09
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City farm:

E. G. Libbey, superintendent	\$3,956.82
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City scales:

Gilbert T. Lyons	\$381.99
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Water works department:		
Charles K. Walker, superintendent		\$128,416.23
Valley cemetery:		
C. H. G. Foss, superintendent		\$1,829.95
Street and park commission:		
Sundry persons		\$116.88
Interest on bank deposits:		
Merchants National Bank	\$2,339.68	
George E. Morrill, collector	596.15	
	<hr/>	\$2,935.83
Milk licenses:		
Board of health		\$346.00
Tuition:		
Charles W. Bickford, superintendent		\$1,003.06
Bequest left to city by Fannie E. A. Riddle for the building of a chapel at Pine Grove cemetery:		
Henry E. Burnham, executor	\$15,000.00	
Interest received on bank deposit	264.30	
	<hr/>	\$15,264.30
Miscellaneous receipts:		
William Whitmore, board of Jennie Whit- more at state asylum	\$70.00	
S. J. Lord, plumbers' licenses	93.00	
Irving W. Forbes, overdraft	14.00	
Theodore Dupont, overdraft	10.00	
Clark & Estey, overdraft	2.03	
J. Doucet & Co., overdraft	4.00	
J. E. McDonald, overdraft	4.00	
A. G. Hood, overdraft	25.00	
Lands and building committee, sale of stone	2.00	
Bryon Worthen, edge stone at house.....	9.62	
Florian Widman, sale of chairs, etc., Spring- street school	18.00	
Thomas W. Lane, old hose .....	.95	
H. L. Davis, old iron, etc., schoolhouses ...	46.00	
New England Trust Co., premium on notes	10.00	
	<hr/>	\$308.60
Fire insurance adjustment on account of fire at city hall:		
Royal Exchange Insurance Co.....	\$95.05	
Continental Insurance Co.....	190.10	
New Hampshire Insurance Co.....	316.81	
Hartford Insurance Co.....	316.81	
Sun Insurance Co.....	316.81	
Connecticut Insurance Co.....	190.10	
Niagara Insurance Co.....	316.81	
Agricultural Insurance Co.....	95.05	
	<hr/>	\$1,837.54

Fire insurance adjustment on account of fire at city farm:

Security Insurance Co.....	\$26.75
Granite State Insurance Co.....	53.50
New Hampshire Insurance Co.....	26.76
Philadelphia Insurance Co.....	26.76
Liverpool, London & Globe Insurance Co..	40.13
Niagara Insurance Co.....	26.75
Concord Insurance Co.....	26.76
New Hampshire Insurance Co.....	13.38
New Hampshire Insurance Co.....	13.38
British America Insurance Co.....	40.13
	\$294.30
Total receipts for the year	\$1,167,980.44
Cash on hand January 1, 1903.....	170,643.14
Unpaid bills December 31, 1903	52,392.91
	<u>\$1,391,016.49</u>
	Cr.
Total drafts	\$1,218,617.19
Unpaid bills January 1, 1903	26,170.39
Cash on hand December 31, 1903	146,228.91
	<u>\$1,391,016.49</u>

Respectfully submitted,

FRED L. ALLEN,

City Treasurer.

To the City Council of the City of Manchester:

GENTLEMEN:—I have examined the accounts of Fred L. Allen, city treasurer, for the year ending December 31, 1903, and find proper vouchers for all payments, and all receipts duly accounted for.

The net cash on hand January 1, 1903, was.....	\$144,472.75
Receipts during the year	1,167,980.44
Total	<u>\$1,312,453.19</u>
Amount of drafts during the year	\$1,218,617.19
Net cash on hand December 31, 1903	93,836.00
Total	<u>\$1,312,453.19</u>

The cash taken December 31, 1903, I find to be as follows:

Deposited in Second National Bank	\$23,772.15
Deposited in Merchants National Bank	115,811.23
Deposited in office safe	6,445.53
Gross amount of cash on hand December 31, 1903....	\$146,228.91
Deduct amount of bills unpaid	52,392.91
Net amount of cash on hand December 31, 1903	<u>\$93,836.00</u>

Respectfully submitted with a tabular statement of the receipts and expenditures of the city for the year 1903.

JAMES E. DODGE,
City Auditor.

**STATEMENT OF THE RECEIPTS AND EXPENDITURES
OF THE CITY OF MANCHESTER FOR THE
YEAR 1903.**

RECEIPTS.

CENTRAL DEPARTMENT.

Received from:

Direct city taxes	\$680,252.12	
Cost and interest on taxes	3,667.26	
	<hr/>	\$683,919.38
Licenses to enter sewer.....	\$1,407.37	
to keep dog	1,811.65	
to sell milk	346.00	
to keep billiard and pool tables and lunch carts	252.40	
to shows and exhibitions	313.00	
Fees from city clerk	977.52	
	<hr/>	\$5,107.94
Rents		\$210.14

SUNDRIES.

Received from:

City scales	\$381.99	
Tuition	1,003.06	
Miscellaneous sources	146.57	
	<hr/>	\$1,531.62

POLICE DEPARTMENT.

Received from costs and fines	\$7,312.88
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PUBLIC PLACES.

Received from:

Pine Grove cemetery	\$7,030.71	
Valley cemetery	1,829.95	
Merrill cemetery	25.50	
	<hr/>	\$8,886.16

WATER-WORKS.

Gross receipts	\$128,416.23
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CITY FARM.

Received from city farm	\$3,956.82
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INSURANCE.

Received from:

Fire loss, city hall	\$1,837.54	
Fire loss, city farm	294.30	
	<hr/>	\$2,131.84

LIQUOR LICENSES.

Received from state liquor commissioners for licenses....	\$40,978.09
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LEGACY.

Received from:

Estate Fannie E. A. Riddle, bequest for chapel	\$15,000.00	
Interest on bequest	264.30	
	<hr/>	\$15,264.30

MISCELLANEOUS.

Received from:

Interest	\$2,935.83	
Land redeemed from tax sale	6,758.53	
Overdrafts	59.03	
Plumbers' certificates	93.00	
Street and park commission, sale of pipe, etc.	316.88	
	<hr/>	\$10,163.27

Total ordinary receipts during the year 1903.....	\$907,878.67
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TEMPORARY LOAN.

Received from:

Loan in anticipation of tax of 1903.....	\$150,000.00	
Premium on loan	10.00	
	<hr/>	\$150,010.00

STATE.

Received from:

Insurance taxes	\$3,000.75	
Railroad taxes	43,600.74	
Savings Bank taxes	60,232.30	
Literary fund	3,257.98	
	<hr/>	\$110,091.77

Gross receipts	\$1,167,980.44
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Net cash on hand January 1, 1903	144,472.75
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	<hr/>	\$1,312,453.19
	<hr/>	

EXPENDITURES.

CENTRAL DEPARTMENT.

Interest on water bonds	\$33,780.00	
on city bonds	37,776.00	
on cemetery bonds	2,500.00	
on temporary loans	3,383.33	
	<hr/>	\$77,439.33

RECEIPTS AND EXPENDITURES.

37

City hall	\$3,576.92	
Printing and stationery	1,294.78	
Incidental expenses	8,410.99	
Mayor's incidentals	222.10	
City officers' salaries	26,604.72	
Auditor's department	1,955.62	
Sinking fund trustees	31,000.00	
File and index system	160.00	
Land sold for taxes	6,683.48	
	<hr/>	\$79,908.61

STREET AND SEWER DEPARTMENT.

Street and park commission	\$3,325.75	
Snow and ice	4,736.45	
Repairs of highways	26,091.21	
New highways	4,983.58	
Land taken for highways	6,162.62	
Watering streets	4,012.38	
Paving streets	4,978.83	
Macadamizing streets	5,973.95	
Grading for concrete	4,065.12	
Scavenger service	18,288.45	
Street sweeping	3,039.34	
Lighting streets	55,360.08	
Bridges	6,809.48	
City teams	6,480.50	
Repairs of sewers	5,147.79	
New sewers	18,970.92	
	<hr/>	\$178,426.45

ENGINEER'S DEPARTMENT.

Engineer's department	\$6,835.00
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HEALTH DEPARTMENT.

Health department	\$14,390.54
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SCHOOL DEPARTMENT.

Repairs of schoolhouses	\$9,545.99
Fuel	12,270.18
Furniture and supplies	1,413.98
Books and stationery	56.71
Printing and advertising	279.48
Contingent expenses	2,789.32
Care of rooms	7,040.08
Evening schools	1,184.00
Teachers' salaries	94,584.94
Evening school, mechanical drawing	289.35

Free text-books	\$5,822.32	
Manual training	490.75	
Sewing materials for girls	242.80	
New heating, Wilson school	2,544.00	
New heating, Ash-street school	782.50	
	<hr/>	\$139,336.40
CITY LIBRARY.		
City library		\$6,310.11
FIRE DEPARTMENT.		
Fire department	\$67,666.97	
Fire alarm telegraph	1,442.56	
Hydrant service	19,200.00	
	<hr/>	\$88,309.53
POLICE DEPARTMENT.		
Police station	\$3,176.31	
Police court	2,794.09	
Police commission	42,188.60	
	<hr/>	\$48,159.00
PUBLIC BUILDINGS.		
Repairs of buildings	\$7,882.62	
Board of plumbing examiners	49.84	
Wilson Hill engine house	4,811.07	
	<hr/>	\$12,743.53
WATER-WORKS.		
Water-works	\$177,636.57	
Water-works sinking fund	24,200.00	
	<hr/>	\$201,836.57
PUBLIC PLACES.		
Commons	\$4,452.40	
Stark park	904.75	
Derryfield park	984.89	
Pine Grove cemetery	9,380.92	
Valley cemetery	3,597.07	
Amoskeag cemetery	195.95	
Merrill cemetery	47.90	
South Manchester playground	66.80	
Lafayette park	1,000.00	
North End playground	79.25	
Riddle playground	50.00	
Amoskeag schoolhouse playground	400.80	
	<hr/>	\$21,160.73

INTEREST.

39

CHARITABLE, PATRIOTIC, AND PHILANTHROPIC.

Paupers off farm	\$11,359.83	
City farm	8,835.58	
Indigent soldiers	110.20	
Women's Aid Home	300.00	
Elliot hospital	300.00	
Notre Dame de Lourdes hospital	300.00	
Sacred Heart hospital	300.00	
W. C. T. U. Mercy home	300.00	
Decoration of soldiers' graves	400.00	
Militia	900.00	
Band concerts	400.00	
Riddle chapel	301.40	
	<hr/>	\$23,787.01

ABATEMENTS.

Abatement of taxes		\$1,723.38
Total of ordinary municipal expenditures		<hr/> \$900,366.19

TEMPORARY LOAN.

Temporary loan		\$150,000.00
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BONDED DEBT.

School bonds		\$10,000.00
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STATE AND COUNTY TAXES.

State tax	\$63,869.00	
County tax	94,382.00	
	<hr/>	\$158,251.00

Grand total of expenditures during the year.....		\$1,218,617.19
Cash on hand December 31, 1903	\$146,228.91	
Less unpaid bills	52,392.91	
Net cash on hand		<hr/> \$93,836.00
		<hr/> <hr/> \$1,312,453.19

Interest.

Appropriation	\$44,700.00	
Transferred from water-works account	33,780.00	
	<hr/>	\$78,480.00

EXPENDITURES.

Coupons on bridge bonds	\$2,396.00
Coupons on city bonds	6,260.00
Coupons on city funding bonds	3,500.00
Coupons on cemetery bonds	2,500.00

Coupons on improvement bonds	\$16,000.00	
Coupons on municipal bonds	2,800.00	
Coupons on school bonds	6,820.00	
Coupons on water bonds	33,780.00	
New England Trust Co., discount on notes ..	3,383.33	
	<hr/>	
Total expenditures		\$77,439.33
Transferred to unappropriated money		1,040.67
		<hr/>
		<u>\$78,480.00</u>

Payment of Funded Debt.

Appropriation	<u>\$10,000.00</u>
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EXPENDITURES.

School bonds	<u>\$10,000.00</u>
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Sinking Fund.

Appropriation	<u>\$31,000.00</u>
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EXPENDITURES.

Trustees of sinking fund	<u>\$31,000.00</u>
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Unappropriated Money.

Transferred from the following accounts:

Interest	\$1,040.67
City hall	223.08
Printing and stationery	305.22
Auditor's department	44.38
Mayor's incidentals	77.90
Street and park commission	174.25
New highways	16.42
Paving streets	21.17
Macadamizing streets	26.05
New sewers	1,042.58
Commons	103.60
Stark park	95.25
Derryfield park	15.11
South Manchester playground	8.20
Lighting streets	2,639.92

Fire alarm telegraph	\$357.44	
Police commission	911.40	
Police court	105.91	
Playground, Amoskeag school	79.20	
Pine Grove cemetery	619.08	
Valley cemetery	52.93	
Amoskeag cemetery	54.05	
Merrill cemetery	2.10	
Books and stationery	18.29	
Printing and advertising	20.52	
Free text-books	177.68	
Manual training	9.25	
Sewing material	7.20	
Evening schools	16.00	
Evening school, mechanical drawing	10.65	
New heating, Wilson school	106.00	
New heating, Ash-street school	17.50	
Indigent soldiers	14.80	
Board of examiners of plumbers .....	.16	
Land sold for taxes	116.52	
Unappropriated receipts	40,960.34	
		<u>\$49,490.82</u>

◆ EXPENDITURES.

Transferred to the following accounts:

Incidental expenses	\$2,448.49
City officers' salaries	304.72
Repairs of highways	843.83
Snow and ice	236.45
Land taken for highways	1,254.55
Watering streets	12.38
Grading for concrete	65.12
Scavenger service	3,288.45
Street sweeping	39.34
Bridges	809.48
City teams	480.50
Repairs of sewers	147.79
North End playground	4.25
Health department	4,390.54
Fire department	1,801.97
Police station	676.31
Repairs of buildings	3,257.62
Repairs of schoolhouses	1,499.99
Furniture and supplies	213.98
Fuel	3,470.18
Contingent expenses	289.32
Care of rooms	140.08

Teachers' salaries	\$584.94	
Paupers off farm	1,339.83	
Abatement of taxes	21,555.13	
City farm	335.58	
		<u>\$49,490.82</u>

Temporary Loan.

Appropriation, loan from New England Trust Co.....	\$150,000.00
	<u><u>\$150,000.00</u></u>

EXPENDITURES.

New England Trust Co.....	\$150,000.00
	<u><u>\$150,000.00</u></u>

City Hall.

Appropriation	\$3,800.00
	<u><u>\$3,800.00</u></u>

EXPENDITURES.

FUEL AND LIGHTS.

W. E. Dunbar & Son, coal	\$154.00	
Manchester Coal & Ice Co., screenings	19.77	
Manchester Traction, Light & Power Co., lights	413.80	
People's Gas Light Co., gas	161.18	
Union Coal Co., coal	525.03	
		<u>\$1,273.78</u>

WATER AND TELEPHONE.

New England Telephone & Telegraph Co., use of telephones	\$12.00	
Water commissioners, use of water	384.50	
		<u>\$396.50</u>

CLEANING OFFICES, ETC.

James E. Dodge, paid for borax, ammonia, etc.	\$0.40
Annie Finn, cleaning paint	1.80
Hardy & Folsom, cheese cloth	2.07
James W. Hill Co., cloth, towels	5.00
Delia Kenney, cleaning paint	4.00
Manchester Hardware Co., brushes, mops, dusters, brooms, soap, etc.....	22.29
Sarah Minton, cleaning	312.00
Ellen O'Leary, cleaning	1.30

CITY HALL.

43

Charles Robitaille, janitor	\$541.00	
Frank St. John, janitor	203.75	
Timothy Sullivan, janitor public comfort	480.00	
J. H. Wiggin & Co., soap, oil, matches.....	6.80	
	<hr/>	\$1,580.41
FIXTURES AND SUPPLIES.		
J. J. Abbott, painting sign	\$4.00	
C. Dean & Co., one clock	5.00	
R. D. Gay, new awnings and putting up	75.50	
R. D. Gay, putting up and taking down awnings	12.75	
John B. Hall Co., one thermometer	1.25	
C. A. Hoitt Co., shades, making and hanging, chair, cuspidors, etc.....	14.57	
Lynn Incandescent Lamp Co., lamps.....	16.50	
Manchester Hardware Co., flag, sponges, hooks, wire, etc.....	14.56	
Manchester Traction, Light & Power Co., lamps, etc.	7.35	
John B. Varick Co., hardware	1.76	
	<hr/>	\$153.24
INCIDENTAL REPAIRS.		
J. J. Abbott, glass	\$2.25	
E. M. Bryant & Co., electric repairs and supplies	4.87	
Joel S. Daniels, repairing screens and screen doors	24.73	
Cyrus Dean & Co., repairing clock	1.00	
James W. Hill Co., repairing flag	1.50	
George Holbrook, taking off storm doors	1.50	
T. A. Lane Co., material and labor, lights, and plumbing	55.10	
Harry A. Piper, lumber and labor	8.21	
Pike & Heald Co., labor and material, changing radiators	4.03	
B. F. Shepard, repairs, keys	4.30	
	<hr/>	\$107.49
SUNDRIES.		
W. G. Berry, premium on insurance	\$36.50	
Arthur Gleno, reiving flag rope	5.00	
C. A. Hoitt Co., use of chairs	4.00	
G. Allen Putnam, premium on insurance	20.00	
	<hr/>	\$65.50
Total expenditures		\$3,576.92
Transferred to unappropriated money		223.08
		<hr/>
		\$3,800.00
		<hr/> <hr/>

Printing and Stationery.

Appropriation \$1,600.00

EXPENDITURES.

ASSESSORS AND INSPECTORS.

R. Bechard, printing names on blanks and check-list	\$11.00	
W. P. Goodman, paper and ink	1.80	
E. A. Stratton, pencils .....	.50	
Temple & Farrington Co., books and covers ..	81.70	
Temple & Farrington Co., stationery	10.95	
Union Publishing Co., publishing notice.....	13.06	
	\$119.01	\$119.01

TAX COLLECTOR.

John B. Clarke Co., printing notices, blanks, receipts	\$80.75	
E. H. Clough, postmaster, envelopes.....	21.20	
	\$101.95	\$101.95

CITY CLERK.

John B. Clarke Co., printing blanks, etc.....	\$17.00	
Duren & Kendall, record ribbons	2.25	
W. P. Goodman, penholders .....	.75	
Nutfield Press, printing petitions	7.50	
	\$27.50	\$27.50

AUDITOR.

Remy Bechard, printing statements	\$6.50	
Remy Bechard, printing 500 reports	560.90	
Remy Bechard, binding 150 reports	144.00	
John B. Clarke Co. 11,000 billheads	49.50	
	\$760.90	\$760.90

CITY TREASURER.

A. S. Campbell & Co., printing blanks, postals, receipts	\$6.50	
E. H. Clough, postmaster, envelopes	23.92	
W. P. Goodman, stationery	17.20	
E. A. Stratton, book, stationery	10.25	
Temple & Farrington Co., pay-roll sheets	8.50	
	\$66.37	\$66.37

MAYOR.

John B. Clarke Co., printing order blanks....	\$5.50	
Albert Ruemely, printing 400 copies mayor's inaugural address	16.50	
	\$22.00	\$22.00

INCIDENTAL EXPENSES.

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CITY COUNCILS AND COMMITTEES.

Remy Bechard, printing postals, blanks.....	\$9.50	
W. P. Goodman, stationery	28.55	
The Nutfield Press, printing briefs	26.50	
Albert Ruemely, printing manuals, reports, etc.	68.85	
J. A. Williams, printing circulars, blanks.....	17.75	
	<hr/>	\$151.15

BUILDING INSPECTOR.

A. S. Campbell & Co., printing permits, appli- cations, etc.	\$27.50	
Albert Ruemely, printing placards, envelopes, circulars	11.50	
J. A. Williams, printing envelopes	5.00	
	<hr/>	\$44.00

CITY WEIGHER.

W. P. Goodman, stationery	\$1.25	
E. A. Stratton, ink .....	.65	
	<hr/>	\$1.90

Total expenditures		\$1,294.78
Transferred to unappropriated money		305.22
		<hr/>
		<u>\$1,600.00</u>

Incidental Expenses.

Appropriation	\$7,000.00	
Transferred from unappropriated money	2,448.49	
	<hr/>	\$9,448.49
		<hr/> <hr/>

EXPENDITURES.

BIRTHS, MARRIAGES, DEATHS.

D. S. Adams, M. D.....	\$1.75
E. B. Aldrich, M. D.....	.25
F. N. Beardslee, M. D.....	3.25
H. T. Boutwell, M. D.....	.25
H. W. Boutwell, M. D.....	4.25
John C. Bickford .....	.50
A. A. E. Brien, M. D.....	19.25
J. F. Brown, M. D.....	3.00
J. S. Brown, M. D.....	4.75
L. G. Bullock, M. D.....	1.50
Rev. A. E. Bartlett	2.00
Rev. C. R. Bailey	1.00

Rev. D. C. Babcock	\$0.25
Rev. C. A. Bidwell	2.75
Rev. J. H. Brennan	19.50
F. E. Campbell, M. D.....	.50
I. L. Carpenter, M. D.....	3.75
Herman Christophe, M. D.....	3.25
J. M. Collity, M. D.....	17.75
E. H. Currier, M. D.....	2.00
Walter T. Crosby, M. D.....	3.75
Charles Chirung, M. D.....	5.75
Rev. T. J. Campbell.....	.50
Rev. Thomas Chalmers.....	2.75
Rev. J. A. Chevalier	16.25
Rev. N. L. Colby.....	12.50
Rev. Matthew Creamer .....	.75
Mary Danforth, M. D.....	7.25
G. M. Davis, M. D.....	11.25
R. H. Dillon, M. D.....	2.75
Charles E. Dodge, M. D.....	5.75
C. M. Dodge, M. D.....	3.75
E. B. Dunbar, M. D.....	9.00
J. H. DeGross, M. D.....	6.50
Rev. I. H. C. Davignon	17.25
Rev. J. R. Dinsmore	1.00
Rev. C. W. Dockrill	1.00
John D. Ferguson, M. D.....	7.75
C. F. Flanders, M. D.....	27.25
George Frechette, M. D.....	14.25
L. M. French, M. D.....	.50
E. N. Fugere, M. D.....	33.00
C. A. Folsom, M. D.....	5.75
Rev. C. H. Farnsworth	2.50
Max Guggenheim, M. D.....	3.00
Moise Guerin, M. D.....	27.00
J. H. Gleason, M. D.....	3.50
J. A. Harlan, M. D.....	.25
B. F. Hodsdon, M. D.....	10.00
George B. Hoitt, M. D.....	3.25
Augusta Hoffman .....	.50
Rev. Arthur Halfmann	1.50
Rev. Pierre Hevey	12.75
Rev. N. E. Johnson.....	2.00
Rev. W. N. Jones.....	1.25
J. A. Jackson, M. D.....	5.25
M. E. Kean, M. D.....	12.00
Rev. John Kamm	1.00
Rev. N. E. Kron .....	.75

Rev. J. E. LeBosquet	\$0.50
Rev. J. J. Lyons	7.00
Rev. P. Lawrence	2.00
Rev. J. B. Lemon	2.50
Rev. B. W. Lockhart	2.00
J. J. A. Lebrecque, M. D.....	6.75
Gustave Lafontaine, M. D.....	21.25
P. G. Laberge, M. D.....	10.75
E. Larochelle, M. D.....	35.75
J. E. A. Lanouette, M. D.....	43.25
J. E. Lemaitre, M. D.....	6.75
J. D. Lemay, M. D.....	12.50
J. G. Lussier, M. D.....	10.25
Z. A. Lavoie, M. D.....	18.25
H. D. Lord	5.00
W. H. Lyons, M. D.....	5.00
J. D. W. MacDonald, M. D.....	3.00
G. B. Morey, M. D.....	2.50
J. W. Mooar, M. D.....	1.00
M. V. B. Morse, M. D.....	1.50
J. T. Murray, M. D.....	3.25
Mrs. S. Modin	1.00
J. B. Morse, M. D.....	1.25
C. W. Milliken, M. D.....	.25
J. B. Masse, M. D.....	.75
Rev. S. J. McLaughlin	4.25
Rev. Joseph Miett	1.00
Rev. C. C. Mitchell .....	.50
Clara Odman	1.25
W. M. Parsons, M. D.....	1.00
W. H. Pattee, M. D.....	6.25
Anna Pollmer	12.50
Frederick Perkins, M. D.....	7.50
J. F. Robinson, M. D.....	3.00
Rev. E. J. Palisonl .....	.50
Rev. J. B. Puchala	4.00
C. S. Rodier, M. D.....	2.50
William Richardson, M. D.....	.25
Herman Rodelsperger	1.00
Rev. H. J. Rhodes	2.50
Rev. Samuel Russell	3.75
Carl Roth .....	.50
E. C. Smith	10.00
Rev. C. J. Staples.....	1.25
Nicholas Sasseville, M. D.....	15.75
Servule St. Pierre, M. D.....	10.75
Gillis Stark, M. D.....	7.50

F. C. Steuart, M. D.....	\$9.00	
A. G. Straw, M. D.....	.25	
Zatae L. Straw, M. D.....	13.00	
C. B. Sturtevant, M. D.....	3.25	
Emile Sylvain, M. D.....	33.00	
James Sullivan, M. D.....	4.25	
Annie Schelzel .....	.25	
E. B. Swett, M. D.....	.25	
C. A. Sargent, M. D.....	.25	
Charlotte A. Stewartson, M. D.....	.50	
Joseph Taylor, M. D.....	12.25	
A. J. Todd, M. D.....	2.75	
G. D. Towne, M. D.....	3.00	
E. C. Tremblay, M. D.....	9.50	
Joseph Theriault, M. D.....	.75	
T. M. Togus, M. D.....	.25	
Rev. C. S. Tifton .....	.75	
Ellen A. Wallace, M. D.....	1.25	
G. M. Watson, M. D.....	40.25	
H. P. Watson, M. D.....	2.50	
Maurice Watson, M. D.....	.50	
G. L. Wakefield, M. D.....	1.00	
A. F. Wheat, M. D.....	2.75	
R. W. Weeks, M. D.....	3.50	
H. A. White, M. D.....	1.75	
George C. Wilkins, M. D.....	1.75	
Rev. G. A. Guertin	1.50	
		\$825.75

DAMAGES AND JUDGMENTS.

George Clair	\$350.27	
John B. Clarke Co.....	159.80	
Eaton & Emerson	35.50	
A. L. Gadbois & Co.....	25.00	
William Marcotte & Co.....	215.00	
Carl S. & Charles E. Magoon.....	1,100.17	
Emma L. McLaughlin	175.00	
Melvin K. McLaughlin	175.00	
John H. Stone	50.17	
Grace E. Spaulding	150.00	
		\$2,435.91

LEGAL EXPENSES.

W. C. Berry, services and fees paid.....	\$35.87	
L. C. B. Burke, services and fees paid, Ray Brook Garden Co. v. city	19.36	
Ivory C. Eaton, paid for witness, etc.....	4.41	
Arthur O. Fuller, services, Amory Manufactur- ing Co. tax suit	335.90	

INCIDENTAL EXPENSES.

49

H. N. Hall, appraisal real estate, Amory Manufacturing Co.....	\$75.00	
Head & Dowst Co., time and labor, examining Fellows building	25.00	
A. G. Hood, service as expert witness, Ray Brook Garden Co. v. city	50.00	
Dana W. King, recording deeds.....	1.26	
J. H. Mendell & Co., time and labor, examining Fellows building	35.25	
W. H. Morgan, appraising damaged stock, William Marcotte & Co.....	5.00	
C. A. Perkins, interviewing witnesses and expenses	27.00	
Fred R. Stark, appraisal Amory Manufacturing Co. real estate	79.00	
Alfred N. Whiting, appraising Amory Manufacturing Co. real estate, expenses	157.33	
Isaac F. Woodbury, appraising Amory Manufacturing Co. property	200.00	
	<hr/>	\$1,050.38

CITY COUNCILS AND COMMITTEES.

F. L. Allen, expenses to Boston, Concord....	\$11.77	
John B. Clarke Co., publishing ordinance.....	23.38	
W. P. Goodman, 1 gavel	2.00	
Manchester News Publishing Co., publishing ordinance	26.33	
Union Publishing Co., publishing ordinance, etc.	29.83	
	<hr/>	\$93.31

TEAMS FOR COUNCILS AND COMMITTEES.

G. W. Bailey	\$61.50	
Boyd Brothers	31.00	
J. P. Brown	20.00	
Thomas F. Brown	15.00	
H. R. Dow & Co.....	5.00	
C. F. Fifield	40.00	
W. J. Freeman	60.00	
A. L. Gadbois & Co.....	50.00	
Harry F. Hull.....	15.00	
E. G. Libbey	35.00	
Manchester Street Railway Co.....	75.00	
G. W. Reed	20.00	
C. H. Simpson	15.00	
	<hr/>	\$442.50

CITY LIBRARY.

Warren Harvey, wood	\$17.70	
Manchester Hardware Co., shovel, lawn sprinkler	2.25	
J. K. Rhodes, care of boiler.....	143.50	
	<hr/>	\$163.45

CITY SCALES.

C. H. Bodwell, wood	\$2.05	
L. B. Bodwell & Co., coal and wood	7.00	
T. J. Briggs, pipe, damper, labor.....	1.45	
Manchester Hardware Co., glass, putty, broom	.54	
Moore & Preston, coal	4.00	
W. E. Woodward, sawing wood	1.00	
	<hr/>	\$16.04

MAYOR.

The Dodge Co., typewriter ribbons	\$4.50	
W. P. Goodman, stationery	2.80	
W. P. Goodman, directories	75.00	
John B. Hall Co., soap .....	.65	
Hale & Whittemore, framing and hanging pic- tures	10.33	
The Novelty Co., engraving autograph, 1 stamp	2.00	
Postal Telegraph-Cable Co., messages	1.30	
E. A. Stratton, ink, paste	1.40	
Temple & Farrington Co., N. H. Registers....	2.00	
	<hr/>	\$99.98

TAX COLLECTOR.

John B. Clarke Co., advertising non-resident sale	\$27.41
E. H. Clough, postmaster, envelopes.....	21.20
B. F. Cummings Co., 1 duplex dating receipting perforator	85.00
May Davis, writing tax bills	46.57
John F. Gillis, distributing tax bills	4.00
Mabel L. How, writing tax bills, etc.....	55.00
Independent Statesman, advertising non-resi- dent sale	9.00
George E. Morrill, expenses to Nashua, Hills- boro, Boston, express	6.31
George E. Morrill, paid for distributing tax bills	68.37
Novelty Advertising Co., ribbons	2.50
Minot T. Phelps, writing tax bills	17.50
Mrs. Maude Soule, 1 day's labor	2.50

INCIDENTAL EXPENSES.

51

E. A. Stratton, books and stationery	\$13.65	
Temple & Farrington Co., book and stationery	4.12	
	<hr/>	\$363.13

CITY CLERK.

A Fine Pen Co., pens	\$1.75	
The Dodge Co., ribbon .....	.75	
Duren & Kendall, ribbons	6.75	
Elliot & Hatch Book Typewriter Co., ribbons	4.00	
W. P. Goodman, stationery	19.15	
Hammond Typewriter Co., supplies	1.20	
New England Telephone & Telegraph Co., tolls	.48	
E. C. Smith, ink	1.00	
Temple & Farrington Co., books, eyelets	35.00	
	<hr/>	\$70.08

CITY TREASURER.

Amoskeag National Bank, rent of safety deposit box	\$25.00	
A Fine Pen Co., pens	1.50	
E. H. Clough, postmaster, postal cards.....	1.00	
W. P. Goodman, stationery	6.80	
J. C. Hall Co., 1,500 checks and pad	20.00	
Ideal Stamp Co., stamps and repairs	2.10	
Pike & Heald Co., tin boxes	2.40	
Pneumatic Hand Stamp Co., stamp and pad...	.53	
F. Pratt, Jr., pens	1.25	
Remington Typewriter Co., ribbon .....	.75	
E. A. Stratton, books and stationery	17.45	
Toilet Supply Co., service, 13 weeks	3.25	
	<hr/>	\$82.03

COURT HOUSE.

C. H. Bodwell, wood	\$11.00	
E. M. Bryant & Co., socket and lamp.....	.42	
Warren Harvey, wood	17.70	
Manchester Coal & Ice Co., coal	33.72	
Manchester Hardware Co., brooms, soap, etc.	3.90	
Moore & Preston, coal	93.85	
P. H. Riley, janitor	167.33	
William Reardon, janitor	433.33	
Union Coal Co., wood and coal	210.94	
	<hr/>	\$972.19

ASSESSORS AND INSPECTORS.

John B. Clarke Co., publishing notice.....	\$20.00
John F. Gillis, real estate transfers	18.00
Manchester News Publishing Co., publishing notice	20.48

E. A. Stratton, stationery	\$2.20	
Temple & Farrington Co., books, etc.....	2.65	
	<hr/>	\$63.33

CITY SOLICITOR.

New England Telephone & Telegraph Co., tolls	\$2.14	
G. A. Wagner, expenses sundry suits, etc.....	17.91	
	<hr/>	\$20.05

SPECIAL ELECTION.

D. G. Andrews, labor at ward 2 wardroom....	\$3.75	
O. F. Bartlett & Co., labor, ward 2.....	3.95	
J. P. Brown & Co., hacks	15.00	
E. M. Bryant & Co., wiring booths .....	.50	
C. B. Clarkson, preparing ward 4 voting booths	9.85	
Connor Brothers, preparing ward 5 voting booths	26.15	
W. B. Corey Trucking & Transfer Co., trucking booths	9.00	
Head & Dowst Co., lumber and labor	8.47	
Margaret Hoben, storage of booths	1.50	
H. F. W. Little, labor, ward 3.....	14.70	
C. A. Merrill, truckage	3.00	
E. H. Nutting, use of Mechanics' hall	100.00	
Joseph Sykes, labor, ward 8.....	8.80	
Temple & Farrington Co., 10 indexes	1.25	
	<hr/>	\$205.92

SUNDRIES.

F. X. Chenette, killing and burying horse.....	\$5.00	
C. B. Clarkson, weighing coal	94.75	
E. H. Clough, postmaster, stamps	190.00	
J. H. DeCourcy Co., coal, ward 8 wardroom ..	1.75	
A. L. Dodge, V. S., examining horse.....	2.00	
C. C. Hayes, premium on bonds	340.00	
W. P. Hall, postage and stationery	5.00	
H. W. Herrick, water color portrait ex-Mayor Clarke	8.00	
First Light Battery, firing Fourth of July salute	29.00	
J. E. Lemaitre, M. D., consultation, pesthouse	5.00	
Municipal Journal Publishing Co., 1 subscrip- tion to December, 1903.....	3.00	
New England Telephone & Telegraph Co., use of telephone, city physician	30.13	
E. N. Pearson, engrossing acts	2.50	
F. R. Stark, insurance premium	112.50	

CITY OFFICERS' SALARIES.

53

B. F. Shepard, repairs	\$1.40	
Street & Park Commission, erecting and removing band stands	48.00	
E. C. Smith, return 2,400 names omitted from official returns four years previous.....	600.00	
Town of Goffstown, taxes	2.91	
M. Watson, M. D., assisting city physician	5.00	
Caroline C. and E. A. Webster, award for use of water seven years	21.00	
		<hr/>
		\$1,506.94
Total expenditures		<hr/>
		\$8,410.99
Transferred to new account		1,037.50
		<hr/>
		<u>\$9,448.49</u>

City Officers' Salaries.

Appropriation	\$26,300.00	
Transferred from unappropriated money	304.72	
		<hr/>
		<u>\$26,604.72</u>

EXPENDITURES.

CENTRAL DEPARTMENT.

Eugene E. Reed, mayor	\$1,800.00	
Fred L. Allen, treasurer	1,350.00	
Edward C. Smith, city clerk	1,350.00	
Edward C. Smith, clerk of committees	200.00	
George E. Morrill, tax collector	1,350.00	
George E. Morrill, team	150.00	
E. C. Paul, deputy collector	800.00	
Jean B. Guevin, deputy collector	800.00	
George A. Wagner, solicitor	800.00	
Harry A. Piper, clerk common council	50.00	
L. M. Aldrich, building inspector	21.00	
Edwin S. Foster, building inspector	929.00	
John A. Barker, messenger	700.00	
Gilbert Lyons, city weigher	470.80	
Walter Dee, weigher	16.10	
Mabel L. How, treasurer's clerk	614.75	
Florence A. Robinson, city clerk's clerk.....	600.00	
Maude E. Soule, mayor's clerk	418.00	
Susie E. Wason, mayor's clerk	154.00	
		<hr/>
		\$12,573.65

CITY PHYSICIAN AND OVERSEERS OF POOR.

John H. DeGross, M. D., city physician.....	\$600.00
George E. Davis, ward 1	50.00
W. H. Maxwell, ward 2.....	41.66
D. G. Andrews, ward 2	4.16
Edward H. Holmes, ward 3.....	50.00
Charles B. Clarkson, ward 4	50.00
Thomas F. Sheehan, ward 5	50.00
Charles Francis, ward 6	50.00
William Marshall, ward 7	50.00
Henry Lein, ward 8	50.00
Thomas C. Stewart, ward 9	50.00
Moses C. Morey, ward 10	50.00
Thomas C. Stewart, clerk	125.00
Eugene E. Reed, chairman, <i>ex officio</i>	50.00
	<hr/>
	\$1,270.82

SCHOOL OFFICERS AND BOARD OF SCHOOL COMMITTEE.

Charles W. Bickford, school superintendent ..	\$2,300.00
Curtis W. Davis, truant officer	\$50.00
E. C. Lambert, clerk of school board	150.00
Eugene E. Reed, chairman, <i>ex officio</i>	10.00
C. Edwin Chase, president of common council, <i>ex officio</i>	10.00
E. C. Lambert, ward 1	10.00
Walter B. Heath, ward 1	10.00
John W. Johnston, ward 2	10.00
William C. Heath, ward 2	10.00
Louis E. Phelps, ward 3	10.00
George D. Towne, ward 3	10.00
Nathaniel L. Colby, ward 4	10.00
Isaac N. Cox, ward 4	10.00
John T. Kelley, ward 5	10.00
John F. Lee, ward 5	10.00
Harry L. Davis, ward 6	10.00
Eugene B. Dunbar, ward 6	10.00
Edson S. Heath, ward 7	10.00
Edward B. Woodbury, ward 7	10.00
Walter B. Mitchell, ward 8	10.00
Benjamin Price, ward 8	10.00
Richard E. Walsh, ward 9	10.00
Alarie Gauthier, ward 9	10.00
Harry H. Burpee, ward 10	10.00
Mark E. Harvey, ward 10	10.00
	<hr/>
	\$3,520.00

BOARD OF ASSESSORS.

John L. Sanborn, ward 1	\$137.50	
John K. Wilson, ward 2	280.00	
D. O. Fernald, ward 3	937.50	
Harrison D. Lord, ward 4	441.00	
George F. Sheehan, ward 5	232.50	
Leroy M. Streeter, ward 6	425.00	
Robert Leggett, ward 7	142.00	
Eugene W. Brigham, ward 8	810.00	
Denis Vigneault, ward 9	147.50	
George M. French, ward 10	196.50	
C. W. Brown, assistant	142.50	
Robert Edgar, assistant	102.50	
C. D. Gadbois, assistant	45.00	
Henry F. Stone, assistant	70.00	
H. J. Woods, assistant	70.00	
Frederick Allen, clerical services	42.50	
H. L. Currier, clerical services	272.50	
Fred R. Currier, clerical services.....	240.00	
G. H. Dudley, clerical services	70.00	
Arthur W. Rowell, clerical services	380.00	
George Taylor, clerical services	75.00	
Moses D. Allard, interpreter	77.50	
W. E. Bernard, interpreter	67.50	
J. Z. W. Bernard, interpreter	92.00	
Thomas Champa, interpreter	12.50	
J. B. Rejimbai, interpreter	82.00	
		<hr/>
		\$5,591.00

BOARD OF ALDERMEN.

Charles F. Read, ward 1.....	\$200.00	
Fred K. Ramsey, ward 2, 1902.....	9.00	
Fred K. Ramsey, ward 2, 1903.....	200.00	
Alvin H. Keith, ward 3.....	200.00	
Charles H. Clark, ward 4.....	200.00	
Richard J. Barry, ward 5.....	200.00	
Rollin B. Johnston, ward 6.....	200.00	
Samuel F. Davis, ward 7.....	200.00	
G. Walter Taylor, ward 8.....	200.00	
Mederique R. Maynard, ward 9.....	200.00	
William E. Dunbar, ward 10	200.00	
Eugene E. Reed, ward 10, balance, 1902	3.00	
		<hr/>
		\$2,012.00

SPECIAL ELECTION EXPENSES.

Inspectors of check-lists	\$727.25
Moderators	100.00
Ward clerks	150.00

Selectmen	\$300.00	
Election inspectors	360.00	
		<u>\$1,637.25</u>
Total expenditures		<u><u>\$26,604.72</u></u>

Auditor's Department.

Appropriation	<u><u>\$2,000.00</u></u>
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EXPENDITURES.

LABOR.

James E. Dodge, salary as auditor	\$1,200.00	
Lizzie M. Cogswell, services as clerk	660.00	
		<u>\$1,860.00</u>

SUPPLIES.

Barton & Co., cheese cloth, towels, soap	\$1.25	
L. B. Bodwell & Co., ice	10.92	
Carter's Ink Co., ribbon	1.00	
John B. Clarke Co., printing envelopes, postals	16.25	
L. M. Cogswell, laundry	3.15	
L. M. Cogswell, stationery, express, postals..	9.30	
James E. Dodge, paid for delivering reports, laying carpet, express	2.38	
W. P. Goodman, stationery and books	7.00	
Hale & Whittemore, 1 frame	1.00	
Munson Supply Co., 1 set keys	3.50	
Municipal Journal Publishing Co., subscrip- tion to November, 1904	3.00	
E. A. Stratton, bookcase	15.60	
E. A. Stratton, stationery	2.50	
B. F. Shepard, sharpening shears, erasers.....	.25	
Temple & Farrington Co., draft books.....	6.00	
Temple & Farrington Co., binding books, paste, etc.....	5.75	
John B. Varick Co., duster, twine, screens....	2.77	
George P. Wallace, ribbon, carbon paper.....	4.00	
		<u>\$95.62</u>
Total expenditures		<u>\$1,955.62</u>
Transferred to unappropriated money		44.38
		<u><u>\$2,000.00</u></u>

Mayor's Incidentals.

Appropriation		\$300.00
		<u><u> </u></u>
EXPENDITURES.		
G. W. Bailey, use of team	\$2.00	
Engene E. Reed, incidentals	220.10	
	<u> </u>	\$222.10
		<u> </u>
Total expenditures		\$222.10
Transferred to unappropriated money		77.90
		<u> </u>
		<u><u> </u></u>

Street and Park Commission.

Appropriation		\$3,500.00
		<u><u> </u></u>
EXPENDITURES.		
SALARIES.		
H. P. Simpson, chairman	\$600.00	
George H. Stearns	600.00	
Byron Worthen	600.00	
	<u> </u>	\$1,800.00
CLERICAL SERVICES.		
George H. Stearns	477.00	
Bertha F. Whitney	492.00	
	<u> </u>	\$969.00
USE OF TEAMS.		
H. P. Simpson	\$150.00	
G. H. Stearns	150.00	
Byron Worthen	150.00	
	<u> </u>	\$450.00
OFFICE SUPPLIES.		
Remy Bechard, printing 150 reports	\$28.00	
L. B. Bodwell & Co., ice	5.95	
J. G. Ellinwood, photographs	2.50	
Charles A. Hoitt Co., cushions, caning and re- pairing chairs	12.85	
Nate Kellogg Co., printing bills	11.25	
Municipal Journal Publishing Co., 1 subscrip- tion	3.00	

Temple & Farrington Co., blank books, etc.	\$29.20	
George P. Wallace, repairing typewriter, 1 ribbon	14.00	
		<u>\$106.75</u>
Total expenditures		\$3,325.75
Transferred to unappropriated money		174.25
		<u><u>\$3,500.00</u></u>

Repairs of Highways.

Appropriation	\$25,000.00	
Cash received from sundry persons	247.38	
Transferred from unappropriated money.....	843.83	
		<u>\$26,091.21</u>

EXPENDITURES.

LABOR.

Division No. 2:		
February	\$158.48	
March	322.36	
April	644.43	
May	1,086.09	
June	2,773.00	
July	1,227.83	
August	2,803.50	
September	1,942.57	
October	1,141.22	
November	399.20	
December	126.90	
		<u>\$12,625.58</u>
Division No. 4:		
May	\$36.50	
July	39.00	
		<u>\$75.50</u>
Division No. 5:		
March	\$9.75	
May	83.50	
July	41.00	
August	42.12	
September	197.00	
		<u>\$373.37</u>
Division No. 7:		
January	\$4.25	
February .....	.75	
March	116.75	
April	440.12	

REPAIRS OF HIGHWAYS.

59

May	\$383.50	
June	621.73	
July	713.86	
August	179.00	
September	182.11	
October	255.50	
November	63.80	
December	65.50	
	<hr/>	\$3,026.87
Division No. 8:		
March	\$13.00	
May	273.75	
June	28.75	
July	58.25	
August	14.00	
September	70.00	
	<hr/>	\$457.75
Division No. 9:		
March	\$24.88	
May	46.75	
June	82.75	
August	50.50	
October	148.75	
	<hr/>	\$353.63
Division No. 10:		
March	\$212.62	
April	725.85	
May	986.12	
June	1,058.97	
July	1,060.57	
August	1,042.42	
September	227.09	
October	353.87	
November	350.36	
December	162.36	
	<hr/>	\$6,180.23
Division No. 12:		
April		\$402.90
City farm		\$490.50

LUMBER, ETC.

Head & Dowst Co., lumber	\$6.99	
Amoskeag Manufacturing Co., hoop iron.....	2.66	
David Wells, posts	87.25	
	<hr/>	\$96.90

TOOLS AND HARDWARE.

Manchester Hardware Co.....	\$36.24	
John B. Varick Co.....	84.91	
	<hr/>	\$121.15

BLACKSMITHING AND REPAIRS.

Amoskeag Manufacturing Co., material and labor	\$7.02	
A. B. Black, supplies for road machine.....	98.00	
Concord Foundry Co., making patterns, etc..	18.50	
H. Dexter, sharpening drills	10.00	
John Hadlock, 1 casting	1.50	
T. A. Lane Co., material and labor on fountains	39.40	
Pike & Heald Co., material and labor on fountains, etc.....	32.42	
Robie Consolidated Concrete Co., concrete.....	788.89	
	<hr/>	\$995.73

STONE AND GRAVEL.

Charles A. Bailey, stone chips	\$10.50	
George W. Campbell, gravel	6.70	
Lawrence Connor, gravel	7.60	
William H. Colburn, gravel	14.30	
Mark E. Harvey, gravel	5.00	
Eugene Libbey, gravel	4.00	
John Lovering, gravel	4.20	
Oliver Merrill, gravel	7.30	
John K. McQueston, gravel	10.00	
L. C. Paige, gravel	18.20	
N. W. Paige, gravel	13.60	
Porter Brothers, gravel	67.10	
Robert I. Stevens, gravel	10.00	
R. P. Stevens Co., stone chips	21.50	
	<hr/>	\$200.00

SUNDRIES.

Adams Brothers, salt	\$0.75	
C. A. Bodwell, wood	313.50	*
L. B. Bodwell & Co., ice for fountains.....	60.69	
L. B. Bodwell & Co., coal	33.53	
John H. Campbell, use of water	3.00	
J. W. Fiske Iron Works, 1 fountain	43.50	
Manchester Coal & Ice Co., ice	55.50	
A. D. Maxwell estate, ice.....	24.41	
New England Telephone & Telegraph Co., use of telephone	43.87	
People's Gas Light Co., coke	30.00	
Temple & Farrington Co., books	9.85	
Wiggin-Young Co., oil	12.50	
	<hr/>	\$631.10
Total expenditures		<hr/> <hr/> \$26,091.21

New Highways.

Appropriation	\$5,000.00
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EXPENDITURES.

LABOR.

Division No. 2:		
April	\$562.91	
May	101.87	
September	752.00	
October	540.40	
November	842.82	
	\$2,800.00	

Division No. 4:		
November		\$107.25

Division No. 5:		
November		\$21.25

Division No. 7:		
May	\$238.25	
July	14.04	
September	196.00	
	\$448.29	

Division No. 8:		
April	\$228.38	
October	195.00	
November	11.50	
	\$434.88	

Division No. 10:		
July	\$101.50	
August	8.13	
September	418.00	
October	328.37	
November	113.00	
	\$969.00	

SUNDRIES.

Brooks & Brock, grading	\$100.00	
James H. Cram, sharpening tools	8.00	
Head & Dowst Co., lumber	85.58	
J. E. MacDonald, water barrel .....	.75	
John B. Varick Co., hardware	5.08	
C. H. Wood, painting signs	3.50	
	\$202.91	

Total expenditures	\$4,983.58
Transferred to unappropriated money	16.42
	\$5,000.00

Snow and Ice.

Appropriation	\$4,500.00	
Transferred from unappropriated money	236.45	
		<u>\$4,736.45</u>

EXPENDITURES.

LABOR.

Division No. 2:		
January	\$1,113.15	
February	924.11	
March	173.53	
December	197.95	
		<u>\$2,408.74</u>
Division No. 4:		
February		\$69.00
Division No. 5:		
February		\$16.50
Division No. 7:		
January	\$145.75	
February	135.25	
March	58.00	
December	6.00	
		<u>\$345.00</u>
Division No. 8:		
March		\$13.00
Division No. 9:		
March		\$24.87
Division No. 10:		
January	\$643.37	
February	820.75	
March	204.36	
November	70.67	
December	95.87	
		<u>\$1,835.02</u>

SUNDRIES.

Daniels-Cornell Co., salt	\$13.50	
John B. Varick Co., steel and scoops.....	10.82	
		<u>\$24.32</u>
Total expenditures		<u>\$4,736.45</u>

Damage of Land Taken for Highways.

Balance from last year, unexpended.....	\$4,908.07	
Transferred from unappropriated money	1,254.55	
		<u>\$6,162.62</u>

WATERING STREETS.

63

EXPENDITURES.

Jules Bourgeois	\$600.00	
Napoleon Bournival	483.14	
John Ferguson	30.00	
Joseph K. Mitchell	1,186.72	
John A. McCrillis	2,608.21	
Joseph Quirin	293.51	
Frederick W. Traver	581.04	
Rodney N. Whittemore	380.00	
		<u>\$6,162.62</u>
Total expenditures		<u><u>\$6,162.62</u></u>

Watering Streets.

Appropriation	\$4,000.00	
Transferred from unappropriated money	12.38	
		<u>\$4,012.38</u>

EXPENDITURES.

LABOR.

Division No. 2:		
February	\$26.62	
March	1.63	
April	91.51	
May	588.36	
June	347.27	
July	535.75	
August	368.18	
September	562.04	
October	74.19	
		<u>\$2,595.55</u>
Division No. 7:		
September		\$4.00
Division No. 10:		
March	\$1.50	
April	65.13	
May	256.24	
June	209.50	
July	249.25	
August	136.25	
September	230.87	
October	27.00	
November	7.25	
		<u>\$1,182.99</u>

SUPPLIES AND REPAIRS.

Amoskeag Manufacturing Co., slats for grate, pipe, steel, etc.	\$4.93	
C. A. Bailey, 1 base	18.50	
John T. Beach, repairing sprinkler.....	4.35	
T. A. Lane Co., pipe and repairs	96.05	
Manchester Coal & Ice Co., ice 1902	67.41	
Pike & Heald Co., repairing sprinkler	1.31	
John B. Varick Co., paint and hardware	34.06	
C. L. Wolf, pipe and fittings	3.23	
	<hr/>	\$229.84
Total expenditures		<u>\$4,012.38</u>

Paving Streets.

Appropriation	<u>\$5,000.00</u>
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EXPENDITURES.

LABOR.

Division No. 2:		
April	\$134.43	
May	367.94	
June	398.85	
July	408.49	
August	335.68	
September	498.23	
October	83.51	
November	28.75	
	<hr/>	\$2,255.88
Division No. 7:		
May	\$59.25	
June	123.86	
July	149.00	
September	111.00	
	<hr/>	\$443.11
Division No. 10:		
January	\$1.75	
April	12.12	
May	507.25	
June	291.62	
July	171.00	
August	46.25	
September	110.50	
November	2.25	
December	6.25	
	<hr/>	\$1,148.99

MACADAMIZING STREETS.

65

STONE AND CONCRETE.

C. A. Bailey, stone	\$323.18	
Head & Dowst Co., stone	17.00	
Osgood Construction Co., crossings	11.55	
Robic Consolidated Concrete Co., concrete	774.32	
	<hr/>	\$1,126.05

SUNDRIES.

Wiggin-Young Co., oil		\$4.80
Total expenditures		\$4,978.83
Transferred to unappropriated money		21.17
		<hr/>
		\$5,000.00
		<hr/> <hr/>

Macadamizing Streets.

Appropriation		\$6,000.00
		<hr/> <hr/>

EXPENDITURES.

LABOR.

Division No. 2:		
May	\$4.50	
June	46.15	
July	2,176.26	
August	697.09	
	<hr/>	\$2,924.00
Division No. 7:		
May	\$147.25	
June	172.50	
	<hr/>	\$319.75
Division No. 10:		
June	\$39.00	
July	1,093.17	
August	31.37	
September	1.50	
	<hr/>	\$1,165.04

FUEL, WATER.

J. Doucet, wood	\$36.00	
People's Gas Light Co., coke	43.50	
Water Commissioners, use of water	70.00	
	<hr/>	\$149.50

TOOLS AND HARDWARE.

B. H. Piper Co.	\$7.50	
John B. Varick Co.	598.11	
	<hr/>	\$605.61

CASTINGS, REPAIRS, ETC.

C. A. Bailey, broken stone	\$438.90	
Drew Machinery Agency, repairing road roller, oil cups, oilers	52.97	
H. J. Dexter, sharpening tools	26.80	
Ingersoll-Sergeant Drill Co., drill, supplies....	178.80	
T. A. Lane Co., pipe, valves, clamps, etc.....	57.13	
Pike & Heald Co., 1 cup .....	.20	
Time Manufacturing Co., rubber coating	5.25	
	<hr/>	\$760.05

SUNDRIES.

S. B. Stearns, premium on insurance (stone crusher).....		\$50.00
Total expenditures		\$5,973.95
Transferred to unappropriated money		26.05
		<hr/>
		\$6,000.00
		<hr/> <hr/>

Grading for Concrete.

Appropriation	\$4,000.00	
Transferred from unappropriated money	65.12	
	<hr/>	\$4,065.12
		<hr/> <hr/>

EXPENDITURES.

LABOR.

Division No. 2:		
January	\$7.50	
April	382.12	
May	172.88	
June	65.87	
July	355.99	
August	147.40	
September	134.95	
October	95.60	
	<hr/>	\$1,362.31
Division No. 7:		
April	\$12.75	
May	23.00	
June	40.37	
July	4.34	
September	65.00	
	<hr/>	\$145.46
Division No. 10:		
March	\$5.75	
April	14.00	

SCAVENGER SERVICE.

67

May	\$95.85	
June	177.37	
July	272.99	
August	7.25	
September	67.25	
October	26.75	
November	94.71	
December	55.12	
	<hr/>	\$817.04

STONE AND CONCRETE.

Charles A. Bailey, stone steps	\$67.44	
H. W. Harvey, stone	798.34	
Robie Consolidated Concrete Co., concrete....	874.53	
	<hr/>	\$1,740.31
Total expenditures		<hr/> <hr/> \$4,065.12

Scavenger Service.

Appropriation	\$15,000.00	
Transferred from unappropriated money	3,288.45	
	<hr/>	<hr/> <hr/> \$18,288.45

EXPENDITURES.

LABOR.

Division No. 2:		
January	\$694.38	
February	587.63	
March	1,090.91	
April	919.84	
May	799.46	
June	802.61	
July	1,089.49	
August	770.14	
September	887.69	
October	828.68	
November	1,102.35	
December	1,116.90	
	<hr/>	\$10,690.08
Division No. 7:		
January	\$73.75	
February	74.00	
March	89.75	
April	93.00	
May	66.00	
June	103.50	

July	\$92.00	
August	71.50	
September	92.00	
October	74.00	
November	73.00	
December	113.25	
		<u>\$1,015.75</u>
Division No. 10:		
January	\$248.50	
February	145.00	
March	385.50	
April	396.63	
May	250.65	
June	248.37	
July	326.00	
August	282.50	
September	436.50	
October	286.62	
November	234.75	
December	355.12	
		<u>\$3,596.14</u>

CONTRACT.

City farm		\$2,124.93
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SUNDRIES.

Amoskeag Manufacturing Co., 1 steel scoop..	\$2.50	
John T. Beach, repairing carts	33.30	
Arthur S. Brown, hay, straw, corn	327.60	
Cavanaugh Brothers, exchange of horses....	269.25	
A. J. Peaslee, hay	88.30	
A. J. Smith, rye straw	23.84	
John B. Varick Co., hardware and tools ...	116.28	
Wiggin-Young Co., salt, glass .....	.48	
		<u>\$861.55</u>
Total expenditures		<u>\$18,288.45</u>

Street Sweeping.

Appropriation	\$3,000.00	
Transferred from unappropriated money ...	39.34	
		<u>\$3,039.34</u>

EXPENDITURES.**LABOR.**

Division No. 2:		
March	\$172.05	
April	294.56	

BRIDGES.

69

May	\$320.24	
June	219.20	
July	298.31	
August	250.55	
September	350.44	
October	370.25	
November	257.61	
December	85.11	
	<hr/>	\$2,618.32
Division No. 10:		
March	\$23.25	
April	30.00	
May	24.00	
June	20.38	
July	38.00	
August	28.63	
September	27.50	
October	24.75	
November	49.87	
December	5.25	
	<hr/>	\$271.63
SUPPLIES, ETC.		
Boston & Maine R. R., freight	\$1.09	
Harold L. Bond Co., brooms	11.50	
New England Broom Co., brooms	10.00	
H. Thompson, brooms and refilling	126.80	
	<hr/>	\$149.39
Total expenditures		<hr/> <hr/> \$3,039.34

Bridges.

Appropriation	\$6,000.00	
Transferred from unappropriated money	809.48	
	<hr/>	\$6,809.48
		<hr/> <hr/>

EXPENDITURES.

LABOR.

Division No. 2:		
February	\$39.36	
March	113.15	
April	240.50	
May	4.50	
June	142.33	
July	2.00	
September	4.00	
October	146.83	

November	\$268.22	
December	712.49	
		<u>\$1,673.38</u>
Division No. 9:		
May	\$16.00	
June	50.00	
		<u>\$66.00</u>
Division No. 10:		
April	\$4.25	
June	1.50	
July	4.00	
September	12.50	
		<u>\$22.25</u>

CONTRACT.

United Construction Co.....	\$323.00
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STONE, LUMBER, HARDWARE, ETC.

Amoskeag Manufacturing Co., bags, bolts....	\$14.10	
Charles A. Bailey, stone.....	287.30	
L. B. Bodwell & Co., coal	58.62	
Couch & McDonald, iron work, etc.....	3.50	
W. P. Farmer, rubber boots	17.22	
Head & Dowst Co., repairing bridges, lumber, cement, etc.	3,740.78	
T. A. Lane Co., pipe and labor .....	.91	
Manchester Hardware Co., hardware	52.78	
Moore & Preston, coal	23.15	
Robie Consolidated Concrete Co., concrete, McGregor bridge	472.00	
John B. Varick Co., hardware and paint....	54.49	
		<u>\$4,724.85</u>
Total expenditures		<u><u>\$6,809.48</u></u>

City Teams.

Appropriation	\$6,000.00	
Transferred from unappropriated money	480.50	
		<u>\$6,480.50</u>

EXPENDITURES.

LABOR.

Division No. 2:		
January	\$356.92	
February	126.13	
March	140.70	
April	158.63	

CITY TEAMS.

71

May	\$128.25	
September	3.45	
December	234.38	
	<hr/>	\$1,148.46
Division No. 7:		
January	\$12.50	
February	12.50	
March	12.50	
April	12.50	
May	12.50	
July	12.50	
August	12.50	
September	12.50	
October	12.50	
November	12.50	
December	12.50	
	<hr/>	\$137.50
Division No. 10:		
January	\$19.25	
February	16.62	
March	20.38	
April	27.12	
May	21.00	
December	25.37	
	<hr/>	\$129.74
Commons:		
January	\$5.25	
July	71.50	
August	130.00	
September	42.50	
October	17.75	
November	10.50	
December	18.75	
	<hr/>	\$296.25
GRAIN, HAY, STRAW.		
Adams Brothers	\$2.25	
Ame & Co.	15.00	
Arthur S. Brown	1,667.84	
W. H. Boynton	149.48	
F. X. Chenette	330.88	
Gage & McDougall	101.64	
D. Hammond & Son	42.60	
M. E. Harvey	93.48	
Isaac Huse	116.38	
C. R. Merrill	3.60	
Partridge Brothers	28.00	
A. J. Peaslee	27.94	
Union Grocery Co.	13.00	
	<hr/>	\$2,592.09

REPORT OF THE CITY AUDITOR.

HARNESSES AND REPAIRS.

Kimball Carriage Co.	\$5.00	
Mugridge & Bennett	236.90	
H. C. Ranno & Son	49.75	
Ranno Saddlery Co.	4.15	
Solshine Manufacturing Co.....	6.50	
N. J. Whalen	20.38	
		<hr/>
		\$325.68

CARRIAGE REPAIRS.

John T. Beach	\$11.10	
Sanborn Carriage Co.	3.40	
		<hr/>
		\$14.50

HARDWARE AND TOOLS.

Manchester Hardware Co.	\$21.32	
John B. Varick Co.	341.87	
		<hr/>
		\$363.19

LIVE STOCK, VETERINARY EXPENSES.

Cavanaugh Brothers, horses	\$710.00	
A. L. Dodge, V. S., attendance and medicine..	55.00	
J. L. Golden, V. S., liniment	8.00	
Jessie L. Hanscom, medicine .....	.80	
F. K. Hubbard, X-ray medicines	20.00	
John G. Lesure, ointment	8.00	
W. B. Mitchell, medicine	6.75	
G. W. O. Tebbetts, medicine	2.50	
		<hr/>
		\$811.05

WATER, GAS, TELEPHONE, FUEL.

L. B. Bodwell & Co., coal	\$10.00	
New England Telephone & Telegraph Co., use of telephones	42.21	
People's Gas Light Co., gas	135.81	
Union Coal Co., coal	70.13	
Water commissioners, use of water	83.38	
		<hr/>
		\$341.53

LUMBER, REPAIRS, ETC.

Bruck Solidified Oil Co., axle oil	\$6.54	
Head & Dowst Co., lumber and labor.....	156.67	
T. A. Lane Co., 6 cocks	1.80	
Pike & Heald Co., 1 can, repairing stove pipe	16.99	
L. & W. T. Seiberlich, paint	2.76	
		<hr/>
		\$184.76

REPAIRS OF SEWERS.

73

SUNDRIES.

C. D. Steele & Co., storing hay	\$25.00	
C. H. Simpson, use of teams	66.00	
Eager & Co., soap	5.40	
G. W. O. Tebbetts, naphthaline .....	.30	
A. M. Wiuchester, disinfectant	5.75	
Wiggin-Young Co., nails, oil, glass, etc.....	31.80	
Young Brothers, 1 ladder	1.50	
		<u>\$135.75</u>
Total expenditures		<u><u>\$6,480.50</u></u>

Repairs of Sewers.

Appropriation	\$5,000.00	
Transferred from unappropriated money	147.79	
		<u><u>\$5,147.79</u></u>

EXPENDITURES.

LABOR.

Division No. 2:		
January	\$36.75	
February	62.75	
March	88.12	
April	213.92	
May	94.99	
June	561.80	
July	415.38	
August	473.08	
September	403.61	
October	322.43	
December	211.88	
		<u>\$2,884.72</u>
Division No. 7:		
May		\$4.50
Division No. 10:		
March	\$13.00	
April	131.06	
May	99.50	
June	236.50	
July	257.12	
August	9.75	
September	251.63	
October	312.89	
December	8.75	
		<u>\$1,320.20</u>

HARDWARE AND FREIGHT.

Boston & Maine R. R., freight	\$0.25	
John B. Varick Co., hardware	43.15	
		<u>\$43.40</u>

MATERIAL, LABOR, ETC.

Charles A. Bailey, stone	\$40.62	
Harold L. Bond & Co., scrapers, brass couplings	79.70	
A. S. Brown, cement	145.60	
G. W. Dodge Shoe Co., rubber boots	10.00	
Peter Duval, filing saws	7.80	
W. F. Head & Son, brick	189.00	
Head & Dowst Co., cement, lumber, etc.....	72.86	
H. W. Harvey, stone	145.25	
T. A. Lane Co., pipe, etc.....	7.70	
New York Store Co., iron girders	6.00	
H. W. Parker, cement	77.00	
Pike & Heald Co., cesspool dippers.....	14.64	
D. F. Shea, rubber boots	7.00	
United Construction Co., contract, grate and fence, Christian brook culvert	75.00	
Wiggin-Young Co., oil	16.80	
		<u>\$894.97</u>
Total expenditures		<u><u>\$5,147.79</u></u>

New Sewers.

Appropriation	\$20,000.00	
Received from sale of pipe	13.50	
		<u>\$20,013.50</u>

EXPENDITURES.

LABOR.

Division No. 2:

January	\$11.25
February	11.00
March	211.68
April	1,075.04
May	2,021.71
June	967.52
July	1,121.94
August	110.95
September	18.38

NEW SEWERS.

75

October	\$16.00	
November	893.32	
December	217.92	
	<hr/>	\$6,676.71
Division No. 7:		
January	\$12.00	
April	545.49	
May	370.50	
June	10.00	
July	67.37	
August	574.43	
September	587.23	
October	611.41	
November	756.51	
December	475.99	
	<hr/>	\$4,010.93
Division No. 10:		
May	\$0.75	
July	213.92	
August	285.50	
September	184.00	
November	40.66	
	<hr/>	\$724.83

HARDWARE, TOOLS, SEWER PIPE.

T. A. Lane Co., pipe, etc.....	\$2,255.02	
Manchester Hardware Co., hardware.....	126.24	
B. H. Piper Co., handles	26.25	
John B. Varick Co., tools and hardware	957.29	
	<hr/>	\$3,364.80

MATERIAL, FREIGHT, ETC.

Boston & Maine R. R., freight	\$926.05
Harold L. Bond Co., hose	177.30
W. H. Coburn, logs	32.00
Concord Foundry Co., traps, grates, etc.....	929.88
Drew Machinery Agency, 1 plate .....	.60
A. K. Forsaith, repairing magnets	1.00
A. K. Hobbs, packing	2.48
C. H. Hutchinson, castings and labor.....	15.86
Ingersoll-Sergeant Drill Co., supplies	230.68
T. A. Lane Co., flue brush, packing, labor on boilers, etc.	45.85
C. W. H. Moulton, ladders	7.00
National Separator & Machine Co., labor on screws, bolts, etc.	16.45
Swan & Finch Co., oil	11.11
Springfield Separator Co., repairs on dynamo, etc.	3.30

Vacuum Oil Co., oil	\$45.78	
C. B. Wingate, rubber boots	18.00	
Wiggin-Young Co., oil	29.83	
	<hr/>	\$2,493.17
CEMENT, BRICK, LUMBER.		
A. S. Brown, cement	\$213.60	
Head & Dowst Co., brick, cement, lumber....	101.25	
W. F. Head & Son, brick	756.00	
	<hr/>	\$1,070.85
SUNDRIES.		
L. B. Bodwell & Co., coal	\$390.11	
W. E. Dunbar & Son, coal	186.49	
Moore & Preston, coal	38.53	
Moore & Preston Coal Co., coal	13.50	
G. G. Skinner, water used for sewer purposes	1.00	
	<hr/>	\$629.63
Total expenditures		\$18,970.92
Transferred to unappropriated money		1,042.58
		<hr/>
		\$20,013.50
		<hr/> <hr/>

Commons

Appropriation	\$4,500.00	
Cash received, account of band concerts.....	56.00	
	<hr/>	\$4,556.00
		<hr/> <hr/>

EXPENDITURES.

LABOR.

January	\$347.37	
February	158.99	
March	127.25	
April	184.24	
May	125.75	
June	196.50	
July	310.11	
August	238.49	
September	186.99	
October	126.25	
November	179.00	
December	193.13	
	<hr/>	\$2,374.07

STARK PARK.

77

PLANTS, ETC.

F. J. Bixby, plants	\$95.00	
A. G. Hood, plants	75.00	
A. P. Horne & Co., trees, plants	39.00	
Frank A. Koerner, plants	26.00	
Kirby Floral Co., plants	80.00	
Ray Brook Garden Co., plants	57.00	
	<hr/>	\$372.00

WATER, GAS, ELECTRIC LIGHTS.

Manchester Traction, Light & Power Co., electric lights	\$36.00	
People's Gas Light Co., gas.....	8.01	
Water commissioners, use of water	700.00	
	<hr/>	\$744.01

REPAIRS AND GENERAL EXPENSES.

Adams Brothers, salt, lime	\$1.10	
A. S. Brown, grain, cement	75.21	
John Fullerton, horse, harness, sled, plow....	73.00	
Head & Dowst Co., lumber	17.50	
J. Hodge, lumber and labor	11.24	
C. A. Hoitt Co., burlap	1.80	
C. H. Hutchinson, knives, sharpening lawn mowers	81.29	
T. A. Lane Co., labor on electric lights, fountains, etc.	53.04	
H. F. W. Little, filing saws	1.40	
Manchester Hardware Co., hardware, etc....	34.25	
McKelvie Brothers, stove and pipe	13.15	
Robie Consolidated Concrete Co., concrete....	463.56	
John B. Varick Co., paint and hardware.....	124.30	
C. B. Wingate, rubber boots	11.48	
	<hr/>	\$962.32

Total expenditures	\$4,152.40
Transferred to unappropriated money	103.60
	<hr/>
	\$4,556.00
	<hr/> <hr/>

Stark Park.

Appropriation	\$1,000.00
	<hr/> <hr/>

EXPENDITURES.

LABOR.

April	\$50.75
May	51.75
June	67.50

July	\$55.25	
August	43.50	
September	104.50	
October	113.25	
November	25.50	
December	2.75	
		\$514.75
SUNDRIES.		
Head & Dowst Co., one-half bill for Derryfield park barn	\$378.00	
Water commissioners, use of water	12.00	
		\$390.00
Total expenditures		\$904.75
Transferred to unappropriated money		95.25
		<u>\$1,000.00</u>

Derryfield Park.

Appropriation	<u>\$1,000.00</u>
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EXPENDITURES.

LABOR.

February	\$3.25	
March	11.13	
April	61.88	
May	135.50	
June	66.13	
July	33.75	
August	24.87	
September	48.75	
October	46.75	
November	94.50	
December	41.12	
		\$567.63
SUNDRIES.		
W. G. Berry, insurance premium	\$5.75	
Head & Dowst Co., one-half cost of barn ...	378.00	
Manchester Hardware Co., seed	2.71	
John A. Sheehan, insurance premium	6.00	
John B. Varick Co., glass and putty .....	.80	
Water commissioners, use of water	24.00	
		\$417.26
Total expenditures		\$984.89
Transferred to unappropriated money		15.11
		<u>\$1,000.00</u>

Lafayette Park.

Appropriation		<u>\$1,000.00</u>
EXPENDITURES.		
LABOR.		
Division No. 10:		
March	\$45.50	
June	23.50	
July	2.62	
October	8.12	
November	238.46	
	<u> </u>	\$318.20
SUNDRIES.		
H. W. Harvey, stone curbing	\$321.20	
Robie Consolidated Concrete Co., sidewalks...	360.60	
	<u> </u>	\$681.80
Total expenditures		<u>\$1,000.00</u>

South Manchester Playground.

Appropriation		<u>\$75.00</u>
EXPENDITURES.		
LABOR.		
Pay-roll commons:		
May	\$9.75	
August	8.75	
September	24.00	
October	4.00	
	<u> </u>	\$46.50
SUNDRIES.		
Adams Brothers, plaster	\$2.00	
Head & Dowst Co., lumber	11.60	
John B. Varick Co., hardware	6.70	
	<u> </u>	\$20.30
Total expenditures		\$66.80
Transferred to unappropriated money		8.20
		<u>\$75.00</u>

North End Playground.

Appropriation	\$75.00	
Transferred from unappropriated money	4.25	
	<u> </u>	\$79.25

EXPENDITURES.

LABOR.

April	\$4.75	
May	66.00	
September	8.50	
		\$79.25
Total expenditures		\$79.25

Riddle Playground.

Appropriation	\$50.00
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EXPENDITURES.

LABOR.

Division No. 10:	
August	\$50.00
Total expenditures	\$50.00

Lighting Streets.

Appropriation	\$58,000.00
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EXPENDITURES.

Manchester Electric Co.:

	Charges.	Discounts.	
January	\$4,734.16	\$5.56	
February	4,734.16	6.96	
March	4,734.16	11.32	
April	4,734.16	15.31	
May	4,734.16	9.10	
June	466.83	2.10	
	\$24,137.63	\$50.35	
Less discount	50.35		
			\$24,087.28

Manchester Traction, Light & Power Co.:

June	\$3,409.91	\$13.64
July	3,752.45	12.84
August	3,780.44	6.78
September	3,812.94	21.67
October	3,863.62	31.31

ENGINEER'S DEPARTMENT.

81

November	\$3,892.10	\$12.03
December	3,922.64	8.04
	<u>\$26,434.10</u>	<u>\$106.31</u>
Less discount	106.31	
		<u>\$26,327.79</u>

GAS.

Wellsbach Street Lighting Co.....		\$4,885.01
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SUNDRIES.

J. P. Brown, use of teams	\$40.00	
Boyd Brothers, use of hack	5.00	
Mary E. Reed, filling and lighting lamp to December 1, 1903	15.00	
		<u>\$60.00</u>
Total expenditures		\$55,360.08
Transferred to unappropriated money		2,639.92
		<u>\$58,000.00</u>

Engineer's Department.

Appropriation	<u>\$6,835.00</u>
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EXPENDITURES.

LABOR.

Samuel J. Lord, engineer, services and team hire	\$1,500.00	
Harry J. Briggs	830.94	
Harold B. Cleworth	18.00	
Alfred T. Dodge	662.59	
Lawrence O'Connor	54.70	
Hallett R. Robbins	162.71	
G. W. Wales	923.08	
Henry Worthen	565.30	
Harrie M. Young	773.64	
Ella B. Davis, stenographer	478.68	
		<u>\$5,969.64</u>

SUPPLIES, OFFICE EXPENSES.

J. J. Abbott, paint, varnish	\$0.95
F. S. Bodwell, stone bounds	140.00
Remy Bechard, printing 350 copies city report	43.50
C. L. Berger & Sons, repairing and adjust- ing leveling instrument	7.00

G. W. Dodge Shoe Co., rubber boots.....	\$7.25	
Alfred T. Dodge, carfare, express, etc.....	8.64	
Byron E. Finney & Co., caning chairs	3.25	
W. P. Goodman, stationery	33.07	
W. & L. E. Gurley, 1 telemeter	13.00	
Head & Dowst Co., grade stakes, lumber.....	46.79	
A. K. Hobbs, rubber tubing	1.00	
J. G. Jones, trucking cabinet .....	.35	
H. D. Lord, use of horse	5.00	
Manchester Hardware Co., numbers, nails, cord	39.47	
New England Telephone & Telegraph Co., use of telephone	35.03	
Harry A. Piper, sign boards	16.00	
Pneumatic Hand Stamp Co., stamp	1.37	
E. A. Stratton, bookcases, paper, etc.....	29.60	
Carl Strauss, wheel for pencil pointer	2.10	
E. G. Soltmann, paper and express	94.30	
Temple & Farrington Co., books and binding	69.43	
John B. Varick Co., supplies	95.38	
G. W. Wales, carfare, express, etc.....	19.03	
H. A. Worthen, express, carfare, soap, etc....	3.23	
Whiting & Thomson, 1 brush	2.00	
J. A. Williams, cutting and blocking paper, etc	5.50	
C. H. Wood, painting signs	96.75	
Yawman & Erbe Manufacturing Co., 2,000 cards	7.50	
Yawman & Erbe Manufacturing Co., oak base for cabinet	17.50	
	<hr/>	\$843.99

SUNDRIES.

H. L. Gould, weekly hydrant bench mark re- port	\$12.00	
Pike & Heald Co., plugs, labor on hydrants....	9.37	
	<hr/>	\$21.37
Total expenditures		<hr/> <hr/> \$6,835.00

Health Department.

Appropriation	\$10,000.00	
Transferred from unappropriated money	4,390.54	
	<hr/>	<hr/> <hr/> \$14,390.54

EXPENDITURES.

SERVICES.

John C. Bickford, salary as member of board..	\$200.00	
W. M. Parsons, M. D., salary as member of board	200.00	
W. K. Robbins, salary as member of board..	200.00	
W. B. Blake, sanitary inspector	785.26	
John F. Looney, sanitary inspector	812.25	
Carl O. Seaman, plumbing and milk inspector	939.00	
M. Alma Fracker, clerk	514.50	
	<hr/>	\$3,651.01

PRINTING AND STATIONERY.

Remy Bechard, printing 300 reports.....	\$18.00	
John B. Clarke Co., printing bulletins, blanks, etc.	129.80	
E. A. Stratton, stationery	3.15	
	<hr/>	\$150.95

TEAMS, ETC.

W. B. Blake, carfares and teams	\$46.15	
J. P. Brown	90.00	
Thomas F. Brown	2.00	
F. X. Chenette	7.00	
James' Stable	23.00	
Hector Lamoureaux	1.50	
E. G. Libbey	20.00	
John F. Looney, carfares	32.25	
G. W. Reed	2.00	
	<hr/>	\$223.90

OFFICE EXPENSES AND SUPPLIES.

Barton & Co., crash, robes	\$4.59	
Bausch & Lomb Optical Co., laboratory supplies	30.65	
W. B. Blake, telegrams, express, matches, etc.	2.61	
L. B. Bodwell & Co., ice	11.04	
Carter, Rice & Co., gummed paper	12.60	
E. R. & W. P. Coburn, 100 frames for notices	20.00	
Dennison Manufacturing Co., fumigating paper	30.00	
J. Doucet & Co., antitoxine	9.75	
M. Alma Fracker, laundry, express, postage, etc.	28.50	
John B. Hall Co., medical supplies	149.24	
James W. Hill Co., sheets, cotton cloth.....	16.58	
A. K. Hobbs, respirators, rubber gloves and sheeting, etc.	12.25	

C. A. Hoitt Co., matting, caning chairs	\$10.14
A. Klipstein & Co., formaldehyde	34.38
Manchester Hardware Co., hardware	5.54
H. K. Mulford Co., antitoxine	213.01
New England Telephone & Telegraph Co., tolls	2.90
Parke, Davis & Co., culture tubes	9.20
People's Gas Light Co., gas	14.27
M. Potvin & Co., antitoxine	9.26
C. O. Seaman, mantle, plaster, photographs, etc.	3.85
A. D. Smith, formaldehyde	170.50
Frederick Stearns & Co., antitoxine	15.53
F. H. Thurston, vaccine, antitoxine, etc.....	72.90
John B. Varick Co., hardware	26.03

\$915.32

PESTHOUSE.

L. B. Bodwell & Co., wood	\$4.00
Bunton & Bernard, repairs on house	309.13
Emma Burns, services as nurse	400.00
Joel Daniels, labor	28.90
C. DeMoulied & Co., range and furnishings..	45.00
John DeGross, M. D., services	389.00
Hardy & Folsom, netting .....	.48
Head & Dowst Co., lumber	5.60
C. A. Hoitt Co., chairs, tables, mirrors, etc....	26.90
J. E. A. Lanouette, M. D., services	265.50
R. W. Lee, labor	40.00
Manchester Coal & Ice Co., wood	25.50
Manchester Hardware Co., paint, hardware...	41.23
Moore & Preston Coal Co., coal	22.50
McKelvie Brothers, stoves, pipe, etc.....	49.15
New England Telephone & Telegraph Co., use of telephone	32.50
F. E. Nelson, fumigating pans	2.00
W. M. Parsons, M. D., services	1,725.00
W. M. Parsons, M. D., coal	176.40
Pike & Heald Co., grate for range .....	.99
Judith Sherer, services	360.00
Judith Sherer, board of sundry persons.....	1,160.76
Mrs. A. D. Sherer, services	284.00
A. D. Sherer, services	603.76
A. D. Sherer, use of team	164.00
John B. Varick Co., wringers, chimneys, cards	5.75
Maurice Watson, M. D., medical attendance...	379.25
D. A. Watson, wood	112.50
Water commissioners, use of water	5.64

\$6,665.44

HEALTH DEPARTMENT.

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ISOLATION HOSPITAL.

Barton & Co., S robes	\$5.50
William Blake, medicine, etc.....	4.65
L. B. Bodwell & Co., coal	183.00
E. M. Bryant & Co., electrical material and labor	34.53
Bunton & Bernard, fitting windows, screen doors, lumber, paint, labor	121.09
Christina Cameron, services as nurse	80.00
C. G. Dunnington, medicine	3.55
O. P. Ellis, wood	6.50
A. L. Franks & Co., andirons and spark guard	5.00
C. M. Floyd, shirts and bath robes	9.00
Lewis G. Gilman, medicine	5.95
James W. Hill Co., cheese cloth .....	.50
A. K. Hobbs, rubber sheeting	6.00
Chas. A. Hoitt Co., chairs, trays, crockery....	14.60
J. J. Holland, medicine	1.85
W. F. Hubbard, windows and screen doors....	64.65
T. A. Lane Co., radiator, labor	6.70
Manchester Coal & Ice Co., wood	40.75
Manchester Traction, Light & Power Co., elec- tric lights	40.65
Moore & Preston Coal Co., coal	38.29
Maggie McDonald, services as nurse	125.80
New England Telephone & Telegraph Co., use of telephone	49.37
Mrs. Eva M. Nute, services as matron	192.00
Mrs. Eva M. Nute, board sundry persons....	266.89
Otilia Olsen, services as nurse	21.00
W. M. Parsons, coal	137.34
Pike & Heald Co., material and labor	16.43
Nellie M. Rugar, services as nurse	70.50
Sacred Heart Hospital, nurse's services	30.00
G. W. O. Tebbetts, supplies	9.53
John B. Varick Co., lawn mower, shears, hook, etc.	9.33
Water commissioners, use of water	17.88
Watts Brothers, shovel and tongs	1.50
D. A. Watson, wood	10.00

 \$1,630.33

SUPPLIES FOR ISOLATED FAMILIES.

John C. Bickford, paid for nursing	\$15.00
W. B. Blake, medicine, milk, board sundry children	12.52
C. Boisclair & Co., wood.....	11.80

J. F. Briggs, milk	\$3.24
F. X. Chenette, burial outfits	20.00
Desrochers & Gauvin, bread	1.44
J. H. DeCourcy Co., wood	19.50
H. Fradd & Co., groceries	12.48
A. L. Gadbois & Co., burial outfits	25.50
Arthur Gagne, groceries	5.15
P. F. Grenier, groceries	2.49
Elmer D. Goodwin, burial outfit	16.50
Mary Hayes, groceries	12.57
John B. Hall Co., medicine	5.85
Patrick Healy, quarantine officer	52.00
J. J. Holland, medicine	3.95
P. Kelley, milk	1.56
J. J. Kelley, quarantine officer	39.00
C. F. Kemp, quarantine officer	4.00
Lamoureux Brothers, groceries	25.72
C. H. Lee, quarantine officer	4.00
J. J. Looney, medicine, groceries	8.07
P. D. Lynch, groceries	21.25
Manchester Coal & Ice Co., coal and wood ..	13.25
Daniel Manning, quarantine officer	21.00
E. J. Madden, groceries	4.71
W. B. Mitchell, medicine .....	.70
F. C. Miville, medicine	2.28
Charles Normand, groceries	5.78
John O'Connell, quarantine officer	42.00
H. Pariseau, groceries	35.42
F. X. Parent, groceries	19.08
F. T. Parker, groceries	8.28
Frederick Perkins, M. D., services	3.00
Potvin & Co., antitoxine	17.25
A. J. Precourt, medicine	2.10
W. H. Quinn, quarantine officer	30.00
Queen City Coal Co., wood	2.00
Alphonse Regnier, quarantine officer	25.00
James Rourke, quarantine officer	101.00
John J. Splane, groceries	10.34
Splane & Messier, groceries	4.92
C. H. Sprague, quarantine officer	13.00
A. D. Smith, medicine	2.50
Charles Swinston, groceries	22.84
Summer Street Market, groceries	40.25
Joseph Trahan, groceries	33.59
E. V. Turcotte, wood	9.26
P. H. Riley, quarantine officer	63.00
Robert Wallace, groceries	5.10
W. H. Walker, quarantine officer	50.00

 \$911.24

SUNDRIES.

W. B. Blake, burying animals	\$2.50	
W. B. Blake, expenses to Concord, express, milk samples, etc.	5.76	
M. Alma Fracker, cash paid for dues, Ameri- can Public Health Association	5.00	
J. J. Looney, milk samples, burying animals, etc.	21.09	
Alphonse Regnier, labor at Ash-street school	4.00	
A. G. Straw, M. D., diphtheria examinations	200.00	
Dennis Vigneault, labor at Ash-street school	4.00	
		<u>\$242.35</u>
Total expenditures		<u><u>\$14,390.54</u></u>

City Library.

Balance from last year unexpended	\$2,373.24	
Appropriation	5,802.00	
		<u>\$8,175.24</u>

EXPENDITURES.

LIBRARIAN AND ASSISTANTS.

F. Mabel Winchell, librarian	\$1,000.00	
Thomas Ayer	118.30	
E. H. Fletcher	41.40	
C. H. Jack	21.75	
Charles S. Morgan	418.50	
Thomas F. Nolan	103.28	
H. C. Rogers	125.25	
Albro P. Reed	175.40	
Harry G. Williams	36.75	
		<u>\$2,040.63</u>

CATALOGUE AND CATALOGUE SUPPLIES.

John B. Clarke Co., printing deposit blanks...	\$1.75	
Library Bureau, cards, holders, etc.....	33.15	
Louise E. Newell, copyist	433.23	
Edith O. Simmons, copyist.....	454.80	
Temple & Farrington Co., supplies	43.15	
J. Arthur Williams, printing pockets, envel- opes, postals	15.50	
F. M. Winchell, paid for catalogue cards.....	20.00	
		<u>\$1,001.58</u>

BINDING, REBINDING, RESEWING.

F. J. Barnard & Co.....	\$357.35	
Temple & Farrington Co.....	157.60	
		<u>\$514.95</u>

WATER, LIGHTS, FUEL, INSURANCE.

L. B. Bodwell & Co., coal	\$129.25	
Clarence M. Egerly, insurance premium.....	125.00	
Manchester Traction, Light & Power Co., electric lights	528.60	
Moore & Preston, coal	117.08	
People's Gas Light Co., gas	4.53	
Union Coal Co., coal	355.10	
Water Commissioners, use of water	13.62	
		<u>\$1,273.18</u>

NEW BOOKS.

Trustees of library		\$1,000.00
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SUNDAY OPENING.

Peter Callaghan, police service	\$10.00	
Charles S. Morgan, labor	46.80	
Albro P. Reed, labor	46.80	
Edith O. Simmons, labor	143.00	
		<u>\$246.60</u>

SUNDRIES.

Remy Bechard, printing 300 reports	\$15.00	
L. B. Bodwell & Co., ice	6.51	
Bridget Costigan, cleaning	40.84	
Hale & Whittemore, hanging pictures .....	.75	
George Holbrook, blocks, trucking	16.09	
C. F. Livingston, printing covers	102.40	
Manchester Hardware Co., 1 broom .....	.50	
John B. Varick Co., brushes	4.00	
F. M. Winchell, paid for cleaning	47.08	
		<u>\$233.17</u>

Total expenditures		\$6,310.11
Transferred to new account		1,865.13
		<u>\$8,175.24</u>

Fire Department.

Appropriation	\$65,865.00	
Transferred from unappropriated money ..	1,801.97	
		<u>\$67,666.97</u>

FIRE DEPARTMENT.

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EXPENDITURES.

SERVICES.

Thomas W. Lane, chief engineer	\$1,500.00	
Fred S. Bean, assistant engineer	250.00	
Clarence R. Merrill, assistant engineer and clerk	275.00	
John F. Seaward, assistant engineer	250.00	
Arthur Provost, assistant engineer	250.00	
	<hr/>	\$2,525.00

TEAMSTERS' AND ENGINEERS' PAY-ROLL.

January	\$2,331.93	
February	2,332.93	
March	2,439.64	
April	2,443.26	
May	2,480.60	
June	2,509.31	
July	2,579.89	
August	2,609.76	
September	2,647.98	
October	2,605.51	
November	2,568.01	
December	2,567.48	
	<hr/>	\$30,116.30

CALL MEMBERS.

Engine Company No. 1.....	\$1,698.00	
Engine Company No. 2.....	1,560.49	
Engine & Ladder Company No. 3.....	2,293.00	
Engine Company No. 4.....	1,698.00	
Engine & Ladder Company No. 5.....	2,458.01	
Engine & Ladder Company No. 6.....	2,458.00	
Chemical Engine Company No. 1.....	479.00	
Hook & Ladder Company No. 1.....	1,828.00	
Hose Company No. 1.....	1,693.00	
Hose Company No. 2.....	1,528.00	
Hose Company No. 3.....	928.00	
	<hr/>	\$18,621.50

OTHER LABOR.

F. O. Bartlett	\$7.50
Osear Beneau	84.00
Joseph Booth	21.00
George Dalton	10.50
George Gott	2.50
C. F. Kemp	192.00
John P. Stone	2.00

A. E. Tuson	\$36.75	
Robert Turnbull	9.80	
Charles J. Wiley	19.50	
C. A. Whitecomb	187.50	
		<u>\$573.05</u>

LAUNDRY.

J. E. Cheney	\$23.15	
Stella Dickey	17.05	
Domestic Laundry	15.35	
M. H. Hulme	30.77	
L. A. Lamson	22.99	
New Hampshire Towel Supply Company.....	39.00	
Oneeda Laundry	9.75	
Margaret Power	48.44	
Mrs. S. E. Reed	12.20	
A. W. Smith	17.10	
		<u>\$235.80</u>

FURNITURE, ETC.

R. D. Gay, 1 awning	\$5.80	
James W. Hill Co., bedding	47.83	
C. A. Hoitt Co., bedding, furniture, matting, etc.	126.59	
James A. Scully, shades and hanging	10.70	
		<u>\$190.92</u>

PRINTING AND STATIONERY.

Remy Bechard, printing 400 reports	\$52.50	
John B. Clarke Co., printing envelopes.....	23.00	
Engine and Hose companies, allowance for printing and stationery	110.00	
Nate Kellogg Co., printing rosters, cards, pos- tals, tags, etc.	56.20	
Temple & Farrington Co., stationery	6.72	
		<u>\$248.42</u>

WATER, LIGHTS, TELEPHONE.

New England Telephone & Telegraph Co., use of telephone, tolls	\$0.55	
Manchester Traction, Light & Power Co., elec- tric lights	53.10	
People's Gas Light Co., gas	940.32	
Water commissioners, use of water	404.87	
		<u>\$1,398.84</u>

FUEL.

James Benson, wood	\$4.00
C. H. Bodwell, wood	22.00
L. B. Bodwell & Co., wood and coal	363.75

FIRE DEPARTMENT.

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Fletcher Brown, wood	\$22.00
W. E. Dunbar & Son, coal	101.75
J. E. French, wood	15.00
S. L. Flanders, wood	3.00
Manchester Coal & Ice Co., coal	38.10
Moore & Preston, coal	380.46
Union Coal Co., coal	1,760.30

\$2,710.36

FREIGHT AND CARTAGE.

E. H. Holmes	\$15.81
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SUPPLIES, ETC.

Boston Belting Co., hose	\$503.03
Bruck Solidified Oil Co., axle oil	3.00
Cornelius Callahan Co., breast plate snap....	6.00
Couch & Seeley Co., instrument, condensers..	10.00
Daniels-Cornell Co., soapine	39.75
Samuel Eastman & Co., 1 deluge set, complete	180.00
Eldredge Electric Manufacturing Co., 1 volt- meter	1.00
Electric Gas Lighting Co., supplies.....	71.33
Frank E. Fitts Manufacturing Co., waste.....	34.29
H. Fradd & Co., oil	2.85
S. L. Flanders, oil, chimneys, etc.....	4.65
Globe Manufacturing Co., 30 fire coats	112.50
A. W. Harris Oil Co., valve oil	6.80
Hale & Whittemore, framing maps, etc.....	4.15
A. K. Hobbs, washers .....	.40
J. Hodge, lumber	16.41
A. C. Hovey, 1 wringer	2.50
T. A. Lane Co., pipe, etc.....	5.09
Manchester Hardware Co., hardware	27.41
Mathieson Alkali Works, soda	7.84
J. E. McDonald, brooms	8.00
New England Bolt & Nut Co., braces.....	6.00
Pike & Heald Co., pails, cans, etc.....	2.23
C. N. Perkins & Co., hose, etc.....	67.15
Stark Mills, canvas covers	2.50
A. J. Smith, rubber rings	2.00
Smith Box & Lumber Co., sawdust	2.25
C. D. Steele & Co., oil, sugar, matches.....	3.95
Talbot Dyewood & Chemical Co., bicarbonate of soda	37.38
John B. Varick Co., hardware.....	251.80
A. M. Winchester, disinfectant	31.50

\$1,453.76

REPAIRS, ETC.

Cornelius Callahan Co., repairing pipe, hose, and relining hose	\$362.60	
Head & Dowst Co., boards	1.50	
J. Hodge, repairing sash, etc.....	2.07	
T. A. Lane Co., plumbing repairs, etc.....	7.65	
C. N. Perkins & Co., repairs	30.00	
Pike & Heald Co., repairing water cooler, copper tank	2.80	
H. A. Piper, filing saws .....	.60	
Edward Sargent, machine work	2.95	
S. Sandberg & Co., lathe work.....	1.00	
Union Manufacturing Co., plating pliers, etc..	2.25	
	<hr/>	\$413.42

VETERINARY SERVICES AND MEDICINES.

C. M. Bailey, V. S., attendance	\$6.00	
Cavanaugh Brothers, horses	500.00	
Cavanaugh Brothers, visits and medicine	18.00	
Z. F. Campbell, medicines.....	12.72	
Frank J. Clark, V. S., dentistry	10.00	
X. Chandler, ointment	4.50	
A. L. Dodge, V. S., visits and medicine	17.50	
H. B. Dunton, V. S., attendance and medicine	40.50	
Dyer & Chipman, medicines	11.71	
L. G. Gilman, medicine	3.15	
A. D. Smith, liniment, ginger, powders, etc..	12.95	
	<hr/>	\$637.03

CARRIAGE REPAIRS.

American Locomotive Co.....	\$103.00	
John T. Beach	5.40	
Couch & McDonald	109.55	
J. B. McCrillis & Son.....	309.69	
	<hr/>	\$527.44

BLACKSMITHING.

Connor & Grossman	\$40.00	
Couch & McDonald	101.10	
H. J. Dexter	108.40	
Joseph Marcoux	31.40	
John A. Mitchell	69.00	
John McSweeney	202.11	
J. F. Seaward	1.65	
J. O. & L. P. Tremblay	292.20	
G. F. Wenzel	65.20	
J. F. Woodbury	156.75	
	<hr/>	\$1,067.81

HAY, GRAIN, ETC.

Adams Brothers	\$752.87	
Arthur S. Brown	1,406.09	
Gage & McDougall	612.53	
Clarence R. Merrill	800.59	
Merrill & Laraba	1,269.27	
Partridge Brothers	1,735.18	
		<u>\$6,576.53</u>

HARNESS REPAIRS AND SUPPLIES.

W. H. Adams	\$80.10	
W. E. Greeley	2.05	
H. C. Ranno & Son	115.83	
Ranno Saddlery Co.	50.70	
George Silberg	3.75	
Joseph Vogel & Son	31.50	
N. J. Whalen	12.55	
		<u>\$296.48</u>

SUNDRIES.

L. B. Bodwell & Co., ice	\$6.95	
William Corey, keeping horse	13.50	
Thomas W. Lane, paid for express and cartage	6.45	
G. W. Reed, use of hacks for committees	10.00	
Maude E. Soule, stenographer, services Part- ridge fire hearing	21.60	
		<u>\$58.50</u>
Total expenditures		<u><u>\$67,666.97</u></u>

Fire Alarm Telegraph.

Appropriation	<u><u>\$1,800.00</u></u>
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EXPENDITURES.

LABOR.

January	\$54.00
February	48.00
March	52.00
April	50.00
May	56.00
June	58.00
July	56.00
August	52.00
September	54.00
October	54.00

November	\$52.00	
December	54.00	
		\$640.00

SUPPLIES.

American Electrical Works, wire	\$158.61	
Amoskeag Manufacturing Co., second hand structure for wires	22.00	
Brodie Electric Co., insulators, repairs.....	40.08	
Couch & Seeley Co., induction coil .....	.91	
W. E. Deerow, signal box, magnets, repairs	235.15	
Electric Gas Lighting Co., supplies	85.76	
Johnstone Gasoline Motor Co., drilling straps	1.20	
J. Hodge, arms, lumber	142.15	
T. A. Lane Co., pipe, etc.....	5.18	
New England Bolt & Nut Co., arm braces.....	10.50	
Pike & Heald Co., gasoline, ladle.....	.70	
John B. Varick Co., hardware	94.47	
		\$796.71

SUNDRIES.

E. H. Holmes, freight and cartage	\$5.85	
Total expenditures	\$1,442.56	
Transferred to unappropriated money	357.44	
		\$1,800.00

Hydrant Service.

Appropriation	\$19,200.00
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EXPENDITURES.

Water Commissioners, use of hydrants	\$19,200.00
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Police Department.—Station.

Appropriation	\$2,500.00	
Transferred from unappropriated money	676.31	
		\$3,176.31

EXPENDITURES.

SERVICES.

Charles H. Skinner, janitor	\$528.00	
Frank P. Wiggin, janitor	202.00	
		\$730.00

WATER, LIGHTS, FUEL.

C. H. Bodwell, wood	\$71.50	
Manchester Traction, Light & Power Co., electric lights	600.00	
Manchester Coal & Ice Co., coal	165.28	
Moore & Preston, wood.....	44.25	
Moore & Preston Coal Co., coal	196.37	
People's Gas Light Co., gas	82.17	
Union Coal Co., coal	893.74	
Water commissioners, use of water	163.27	
		<u>\$2,216.58</u>

LAUNDRY, ETC.

T. F. Fifield, oil	\$1.55	
James W. Hill Co., towels, crash, etc.....	6.75	
J. S. Holt & Co., soap	8.00	
J. J. Holland, soap, disinfectant, toilet paper	28.60	
J. N. Lacourse, soap	2.50	
Joseph Sykes, cleaning	49.80	
Mrs. J. F. Wiggin, washing	42.34	
J. H. Wiggin & Co., matches, soap	2.40	
		<u>\$141.94</u>

REPAIRS, ETC.

J. J. Abbott, paint	\$1.82	
L. B. Bodwell & Co., ice	10.50	
D. F. Cressey, repairing chains .....	.25	
M. J. Coleman, plumbing repairs	3.25	
C. A. Hoitt Co., repairing chairs	6.65	
A. K. Hobbs, toilet paper	4.75	
T. A. Lane Co., lamps and repairs	25.57	
Lynn Incandescent Lamp Co., lamps	16.50	
Pike & Heald Co., repairs	1.43	
Temple & Farrington Co., repairing clocks ...	1.50	
John B. Varick Co., nails, bags, etc.....	15.57	
		<u>\$87.79</u>

Total expenditures	<u><u>\$3,176.31</u></u>
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Police Department.—Court.

Appropriation	<u><u>\$2,900.00</u></u>
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EXPENDITURES.

SERVICES.

John C. Bickford, clerk	\$600.00	
Isaac L. Heath, police justice	1,500.00	
George W. Prescott, associate justice	300.00	
		<u>\$2,400.00</u>

SUNDRIES.

A. S. Campbell & Co., printing	\$91.00	
John B. Clarke Co., printing	12.75	
Globe-Wernicke Co., 1,000 cards	1.90	
M. J. Healy, witness fees, etc.	213.49	
Thomas D. Luce, certifying appeals	1.00	
New England Telephone & Telegraph Co., use of telephone	71.25	
Temple & Farrington Co., stationery	2.70	
	<hr/>	\$394.09
Total expenditures		\$2,794.09
Transferred to unappropriated money		105.91
		<hr/>
		\$2,900.00
		<hr/> <hr/>

Police Department.—Commission.

Appropriation	<hr/> <hr/>	\$43,100.00
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EXPENDITURES.

SERVICES.

Michael J. Healy, chief of police	\$1,999.92	
John F. Cassidy, deputy chief	1,500.00	
E. B. Woodbury, chairman of commission, salary	150.00	
N. S. Clark, commissioner, salary	100.00	
Frank P. Cheney, commissioner, salary	100.00	
A. B. Brown, police matron	424.00	
Regular patrol	33,926.15	
	<hr/>	\$38,200.07

FEEDING PRISONERS.

W. F. Elliott	\$19.30	
Samuel J. Laflamme	160.20	
National Biscuit Co.	9.05	
	<hr/>	\$188.55

PRINTING AND STATIONERY.

John B. Clarke Co., printing	\$68.25	
W. P. Goodman, stationery	10.35	
E. A. Stratton, stationery and books	57.65	
	<hr/>	\$136.25

PATROL SYSTEM EXPENSES.

W. H. Adams, harness repairs	\$4.25	
American Electrical Works, wire	70.81	
Ame & Co., "Standard Food"	9.75	

POLICE DEPARTMENT,

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J. J. Abbott, gasoline	\$0.40
Automatic Time Stamp Co., ribbons, etc.....	9.30
Boston & Maine R. R., freight	4.28
Boyd Brothers, clipping horse	2.00
E. M. Bryant & Co., electric supplies and repairs	4.02
Cavanaugh Brothers, veterinary attendance and medicine	23.00
D. F. Cressey, blacksmithing	4.75
James Coakley, labor on wires	6.00
X. S. Clark, typewriting and stationery	5.25
H. B. Dunton, V. S., attendance and medicine	19.00
Electric Gas Lighting Co., batteries, jars....	29.82
A. Filion, repairing wagon, etc.....	57.85
J. J. Holland, medicines	16.35
J. Hodge, poles	1.04
A. K. Hobbs, rubber cement .....	.60
Johnstone Gasoline Motor Co., labor on rollers	2.20
Charles Kean, labor on wires	11.00
J. M. Knowles, rent of stable	70.00
Kimball Carriage Co, supplies and repairs	18.90
Clarence R. Merrill, grain	107.77
Merrill & Laraba, grain	236.81
John Mitchell, horseshoeing	1.50
James Murphy, varnishing wagons	22.00
William F. Nye, harness dressing	3.00
Charles O'Day, labor	4.00
Patrick O'Connor, labor	6.00
Pettingell-Andrews Co., electric supplies	122.15
Charles E. Perry & Co., paper	24.10
Timothy Shea, hay	58.24
B. F. Shepard, keys, etc.....	.45
J. O. & L. P. Tremblay, horse shoeing.....	13.50
U. S. Fire & Police Telegraph Co., repairs	11.50
J. Vogel & Son, repairing harness	1.75
N. J. Whalen, soap .....	.15
J. F. Woodbury, horseshoeing	49.50
Ziegler Apparatus Co., repairs and supplies...	106.19
	<hr/>
	\$1,139.18

ALLOWANCE FOR CLOTHING AND BICYCLE REPAIRS.

Joseph A. Farrell	\$29.17
John T. Nixon	37.50
Pay-roll	2,050.00
	<hr/>
	\$2,116.67

HARDWARE AND REPAIRS.

Head & Dowst Co., lumber	\$3.67	
Manchester Hardware Co., hardware	60.33	
John B. Varick Co., hardware	14.37	
	<hr/>	\$78.37

TELEPHONE AND TELEGRAPHY.

New England Telephone & Telegraph Co., use of telephones	\$120.59	
New England Telephone & Telegraph Co., rent of private line and instruments	114.00	
Western Union Telegraph Co., telegrams	3.82	
	<hr/>	\$238.41

SUNDRIES.

Oscar Bineau, labor	\$2.00	
Clark & Estey, oilcloth, towels, etc.	4.06	
Couch & McDonald, 1 grapple and hook	1.85	
George H. Emery, photographing criminals ..	38.00	
W. J. Freeman, use of teams	15.00	
Charles A. Hoitt Co., mattress, blankets, etc...	4.19	
E. G. Libbey, use of teams	24.00	
Stark Mills, duck	2.00	
	<hr/>	\$91.10

Total expenditures	\$42,188.60
Transferred to unappropriated money	911.40
	<hr/>
	<u>\$43,100.00</u>

Repairs of Buildings.

Appropriation	\$4,625.00	
Transferred from unappropriated money	3,257.62	
	<hr/>	\$7,882.62
		<hr/> <hr/>

EXPENDITURES.

CITY LIBRARY.

M. Badger & Co., paint, glass, labor.....	\$15.50
C. S. Bangs, labor and material, repairing roof	92.48
W. E. Darrah, roofing material	106.57
Joel Daniels, setting glass	5.35
Louis Dumas, labor	13.72
Charles D. Dunbar, labor	8.12
George H. Dunbar, labor	8.12
James H. Griffin, loam and labor	27.00
Head & Dowst Co., lumber	1.05

REPAIRS OF BUILDINGS.

99

J. Hodge, lumber	\$10.47
George Holbrook, removing snow	9.50
T. A. Lane Co., material and labor, gas, plumbing	54.65
Manchester Traction, Light & Power Co., lamps	4.25
Granville McClure, labor	6.16
Pike & Heald Co., repairing ash cans.....	1.30
George L. Read, labor	14.70
A. & E. Reed, mason work	34.60
William Smith, labor	13.72
John B. Varick Co., hardware	6.55

\$433.81

POLICE STATION.

M. Badger, setting glass	\$2.75
F. C. Darrah, roofing material and labor	7.75
Charles D. Dunbar, labor	11.48
George H. Dunbar, labor	12.60
Head & Dowst Co., lumber and labor	20.51
C. A. Hoitt Co., shades and rollers	2.80
J. Hodge, lumber and labor	15.15
T. A. Lane Co., labor on boiler and radiator ..	10.45
Harry A. Piper, repairs	3.18
Pike & Heald Co., repairs, etc.	67.95
George L. Read, labor	1.50
A. & E. Reed, mason work	43.12
Walter L. Roper, mason work	4.00
Joseph Roy, labor	1.12
Joseph Sykes, clearing ice from roof	2.00
John B. Varick Co., hardware	37.76
C. L. Wolf, cleaning and repairing stove	4.65

\$248.77

ENGINE HOUSES.

Melvin Badger Co., painting and glazing.....	\$190.89
C. S. Bangs, plumbing repairs	5.99
George B. Cressey, paint and labor	6.12
Samuel Daniels, labor	36.43
Joel Daniels, setting glass, etc.....	4.73
F. C. Darrah, roofing material	44.53
W. E. Darrah, roofing material and labor	125.56
C. D. Dunbar, labor	73.72
G. H. Dunbar, labor	76.24
E. A. Dunbar, stone	20.50
Louis Dumas, labor	112.56
G. G. Dennis, labor	10.08

Eastman Brothers, mason work	\$11.10
Charles A. Hoitt Co., shades, etc.....	7.92
David P. Hunt, labor	64.12
Head & Dowst Co., lumber and labor	357.64
J. Hodge, lumber, etc.....	273.17
Samuel Landry, rods, etc.....	3.70
Richard Laeroix, labor	18.00
T. A. Lane Co., plumbing and piping.....	266.41
Granville McClure, labor	140.28
Pike & Heald Co., plumbing and other repairs	111.09
George L. Read, labor	186.10
A. & E. Reed, mason work	36.59
Robie Consolidated Concrete Co., concrete....	12.09
E. Roy, labor	25.48
Joseph Roy, labor	38.08
T. Shea, labor	12.50
John A. Sargent, paint and labor	8.27
William Smith, labor	125.72
John B. Varick Co., hardware	76.45
West Side Lumber Co., lumber	94.31
C. L. Wolf, plumbing	50.80
	<hr/>
	\$2,627.17

COURT HOUSE.

Melvin Badger Co., paint, glass, labor	\$202.02
C. S. Bangs, roofing material and labor	29.25
F. C. Darrah, roofing material and labor	119.86
Samuel Daniels, labor	14.17
G. H. Dunbar, labor	21.28
Charles D. Dunbar, labor	21.28
Louis Dumas, labor	51.24
Head & Dowst Co., lumber and labor	61.90
J. Hodge, lumber, etc.....	57.59
T. A. Lane Co., labor on boiler, steam pipes, etc.	8.78
Richard Laeroix, labor	15.75
Granville McClure, labor	68.04
George L. Read, labor	88.20
E. Roy, labor	7.56
William Smith, labor	54.60
John B. Varick Co., paint and hardware.....	7.47
West Side Lumber Co., lumber	6.94
	<hr/>
	\$835.73

CITY HALL.

J. J. Abbott, painting signs, glass	\$103.00
John A. Ballou, board of workmen, tilers.....	15.00
E. L. Bryant & Co., rewiring	154.85

E. L. Bryant & Co., electric fixtures, etc.....	\$64.73	
Couch & McDonald, bolts, etc.....	2.55	
Joel S. Daniels, paint, paper, labor	581.67	
Samuel Daniels, labor	42.28	
Louis Dumas, labor	46.48	
Eastman Brothers, repairing plastering	24.41	
A. M. Finney, cleaning rugs	7.32	
A. L. Franks & Co., tile and express on same	178.75	
R. D. Day, 3 awnings	48.75	
Head & Dowst Co., lumber, cement, glass	248.25	
J. Hodge, lumber, etc.....	267.96	
C. A. Hoitt & Co., paper, shades and fixtures	39.72	
T. A. Lane Co., labor, gas, and steam pipes, etc.	132.06	
Richard Lacroix, labor	73.00	
Samuel Landry, sharpening bars, drilling, etc.	10.30	
Manchester Hardware Co., sponges.....	1.13	
Granville McClure, labor	14.00	
Murdock Parlor Grate Co., laying tile floor....	49.48	
Pike & Heald Co., repairs, awning frames, pipes, etc.	5.48	
Harry A. Piper, steel ceiling, aldermanic cham- ber	95.00	
Harry A. Piper, steel ceiling, mayor's office....	60.00	
A. & E. Reed, mason work and cement	168.22	
George L. Read, labor	103.80	
E. Roy, labor	59.08	
William Smith, labor	132.72	
John A. Stacey, cleaning stone work	15.65	
T. H. Stack, paper hanging	37.32	
W. H. Sullivan, paint and labor	157.89	
John B. Varick Co, hardware	21.73	
West Side Lumber Co., lumber	104.02	
		\$2,866.60

SUNDRIES.

D. G. Andrews, labor ward 2 wardroom	\$2.25
Melvin Badger Co., paint, Pine Grove cemetery	13.50
T. F. Brown, use of hacks	10.00
C. Dean & Co., care of city clocks.....	100.00
Louis Dumas, labor, Pine Grove cemetery....	17.64
W. J. Freeman, use of hacks	15.00
F. M. Goings, grading Lowell-street school lot	132.45
J. Hodge, lumber, Pine Grove cemetery.....	135.87
Ransom Laird, trucking derrick	4.00
Samuel Landry, blacksmithing	42.70
Granville McClure, labor, Pine Grove cemetery	32.76
H. A. Piper, material and labor	16.19
George L. Read, labor, Pine Grove cemetery..	24.30

A. & E. Reed, mason work. Pine Grove cemetery	\$7.35	
Robie Consolidated Concrete Co., concrete, Lowell-street school	20.84	
William Smith, labor, Pine Grove cemetery...	5.04	
Ezra C. Tilton, labor, Pine Grove cemetery...	8.00	
C. A. Trefethen, care of tower clocks.....	103.75	
J. N. Tuek & Co., trucking	49.25	
John B. Varick Co., hardware	127.15	
John Winters, repairing grate	2.50	
		<u>\$870.54</u>
Total expenditures		<u><u>\$7,882.62</u></u>

Wilson Hill Engine House.

Balance from last year unexpended	\$4,149.50	
Appropriation	2,500.00	
		<u>\$6,649.50</u>

EXPENDITURES.

LABOR.

June	\$48.92	
July	87.49	
August	22.05	
		<u>\$158.46</u>
Pay-roll division No. 2, December		\$41.00
G. G. Dennis	\$29.12	
George L. Read	39.15	
William Smith	30.24	
		<u>\$98.51</u>

CONTRACT.

J. H. Mendell & Co.....	\$4,000.00
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SUNDRIES.

W. E. Dunbar & Son, coal	\$6.75	
James H. Griffin, grading lot	251.05	
Warren Harvey, stone, brick, etc.....	45.30	
Head & Dowst Co., lumber, cement	31.55	
Pike & Heald Co., pipe	2.40	
John B. Varick Co., hardware	55.26	
West Side Lumber Co., lumber	120.79	
		<u>\$513.10</u>
Total expenditures.....		<u>\$4,811.07</u>
Transferred to new account		<u>\$1,838.43</u>
		<u><u>\$6,649.50</u></u>

Playground.—Amoskeag Schoolhouse.

Balance from last year unexpended	\$480.00
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EXPENDITURES.

Amoskeag Manufacturing Co., land	\$400.80
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Total expenditures	\$400.80
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Transferred to unappropriated money.....	79.20
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	<u>\$480.00</u>
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Water-Works.

Balance from last year unexpended.....	\$106,845.41
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Cash received for water rents.....	128,416.23
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Balance overdrawn, transferred to new account	354.93
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	<u>\$235,616.57</u>
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EXPENDITURES.

LABOR.

January	\$1,341.40
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February	1,334.95
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March	1,340.64
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April	1,551.04
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May	1,456.52
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June	1,956.56
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July	1,691.15
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August	1,642.84
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September	1,708.24
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October	1,419.48
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November	1,483.04
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December	1,626.02
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	<u>\$18,551.83</u>
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GENERAL EXPENSES.

William C. Clarke, 1 meeting of board	\$4.00
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William Corey, 18 meetings of board	72.00
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Frank Dowst, 46 meetings of board	184.00
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Charles M. Floyd, 35 meetings of board	140.00
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Edgar J. Knowlton, 12 meetings of board	48.00
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Charles H. Manning, 34 meetings of board....	136.00
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Harry E. Parker, 16 meetings of board	64.00
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Eugene E. Reed, 8 meetings of board	32.00
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A. L. Gadbois & Co., hack	4.00
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Nate Kellogg Co., use of boat	8.00
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S. Sandberg & Co., use of boat	\$7.50	
C. A. Searbor, dinners, annual inspection of lake	55.65	
C. K. Walker, superintendent, salary.....	2,400.00	
C. K. Walker, paid for lights.....	105.33	
C. K. Walker, express, stamps	46.30	
C. K. Walker, sundries	49.25	
	<hr/>	\$3,356.03

PRINTING, ADVERTISING, STATIONERY.

Remy Bechard, printing 600 reports	\$35.00	
John B. Clarke Co., printing bills, notices....	101.95	
John B. Clarke Co., advertising and binding	8.95	
W. P. Goodman, books and stationery	7.50	
Manchester News Publishing Co., advertising	3.00	
Union Publishing Co., advertising notices....	6.50	
	<hr/>	\$162.90

TEAMS, TELEPHONE, FUEL.

L. B. Bodwell & Co., coal	\$484.87	
M. L. Cobb, coal	355.27	
C. S. Fifield, use of teams	44.50	
James' stable, use of teams.....	139.00	
William A. Jepson, coal	526.97	
New England Telephone & Telegraph Co., use of telephones	67.65	
Lester C. Paige, wood	200.00	
Union Coal Co., coal	40.00	
	<hr/>	\$1,858.26

LAND.

James F. Brown	\$4,000.00	
Gersang Verein Maennerehor	1,500.00	
Mrs. Juliet B. Hall	700.00	
Lester Hall	1,200.00	
Head & Dowst Co.	700.00	
J. Hodge	1,600.00	
Mary J. James	2,400.00	
Alexander Knight	900.00	
Henry and Walter H. Lewis	375.00	
Morgan & Upton	1,100.00	
Frank T. E. Richardson	375.00	
Hazen Sanborn	3,000.00	
Alice O. Sargent	2,750.00	
Charles A. Williams estate	\$5,000.00	
Joseph Quirin	450.00	
	<hr/>	\$106,050.00

LEGAL SERVICES.

Brown, Jones & Warren	\$269.96
George E. Winslow	3.10

 \$273.06

HARDWARE, BLACKSMITHING, FREIGHT.

Boston & Maine R. R., freight	\$1,438.60
D. F. Cressey, sharpening tools, etc.....	306.47
Manchester Hardware Co., hardware	20.87
John B. Varick Co., hardware	290.25

 \$2,056.19

SUPPLIES.

Adams Brothers, lime, cement.....	\$6.55
Amoskeag Manufacturing Co., brackets, pipe, bolts, iron, etc.....	621.95
American Steam Gauge & Valve Manufactur- ing Co., 2 springs	7.00
J. J. Abbott, paint	5.95
Harold L. Bond Co., picks and handles.....	30.15
Builders' Iron Foundry, branches, reducers..	70.88
Chadwick-Boston Lead Co., pipe and solder...	57.66
Chapman Valve Manufacturing Co., valves, etc.	20.73
Philip Carey Manufacturing Co., covering pipe, etc.	65.00
Coffin Valve Co., hydrants	168.75
Eager & Co., soap	1.10
Edson Manufacturing Co., coupling	1.90
Frank E. Fitts Manufacturing & Supply Co., 1 emery grinder	6.50
Glauber Brass Manufacturing Co., supplies....	364.11
John D. Healy, castings	17.20
Head & Dowst Co., cement, brick, lumber....	524.66
J. Hodge, meter boxes	60.00
A. K. Hobbs, packing, etc.....	33.83
C. H. Hutchinson, castings, etc.....	119.65
Ingersoll-Sergeant Drill Co., hose, bolts, etc..	49.55
T. A. Lane Co., pipe, etc.....	624.60
Lead Lined Iron Pipe Co., pipe	952.80
Libbey, Parker & Co., washers	2.50
Ludlow Valve Manufacturing Co., gates	20.25
National Meter Co., meters and couplings....	308.00
Neptune Meter Co., meters	190.50
Norwood Engineering Co., hydrant heads	41.00
Perry Oil Co., oil	178.80
Pike & Heald Co., pipe, iron, couplings.....	21.42
Sweet & Doyle, service boxes, gates	270.60

Snow Steam Pump Works, final payment on contract	\$30,000.00	
Snow Steam Pump Works, supplies	894.49	
Thomson Meter Co., meters	708.80	
Union Water Meter Co., meters	128.27	
U. S. Cast Iron Pipe & Foundry Co., pipe ..	5,745.40	
Valvoline Oil Co., kerosene oil	1.30	
Walworth Manufacturing Co., pipe	5.41	
J. H. Wiggin & Co., soap	4.50	
W. A. Wood Co., waste	15.68	
Henry R. Worthington, meter	8.40	
	<hr/>	\$42,355.84

REPAIRS.

Amoskeag Manufacturing Co., repairing boiler testing pump, etc.....	\$84.45	
John T. Beach, wagon repairs	21.35	
F. J. Bixby, glass and setting	2.80	
E. M. Bryant & Co., electric supplies and labor	363.44	
Joel S. Daniels, paint and labor	443.17	
H. C. Dimond Co., repairing stamp.....	1.75	
Drew Machinery Agency, labor	4.30	
Head & Dowst Co., material and labor.....	4.85	
W. F. Henderson, repairing McDonald house..	23.50	
Hersey Manufacturing Co., repairing meters..	4.02	
John Jennings, stock, and repairing lightning rod on chimney, high service station.....	149.00	
T. A. Lane Co., labor and material.....	24.02	
J. H. Mendell & Co., material and labor.....	71.48	
McKelvie Brothers, repairing box.....	.50	
National Meter Co., repairing meters	174.60	
Neptune Meter Co., repairs	36.67	
Robie Consolidated Concrete Co., concrete....	459.12	
Thomson Meter Co., repairs	56.99	
Union Water Meter Co., repairs	96.98	
	<hr/>	\$2,022.99

SUNDRIES.

Town of Auburn, taxes	\$241.25
Dean & Main, time and expenses, testing Snow engine	507.67
Arthur W. Dudley, surveying, setting bounds	73.25
New Hampshire Insurance Co., premium	15.00
Sarah C. Pennock, rent of house	100.00
Shamrock Boat Club, $\frac{1}{3}$ tax on land.....	7.25
Trustees of Sinking Fund, hydrant rental....	19,200.00

Trustees of Sinking Fund, for payment of water bonds	\$5,000.00	
A. L. Waldron, services rendered at burned wood lot	5.00	
	<hr/>	\$25,149.42
Total expenditures		\$201,836.57
Transferred to interest account		33,780.00
		<hr/>
		\$235,616.57
		<hr/> <hr/>

Pine Grove Cemetery.

Appropriation	\$10,000.00
	<hr/> <hr/>

EXPENDITURES.

LABOR.

January	\$188.26	
February	194.51	
March	216.14	
April	552.61	
May	608.61	
June	749.53	
July	656.21	
August	636.99	
September	839.45	
October	484.41	
November	599.25	
December	440.28	
	<hr/>	\$6,166.25

PLANTS, LOAM, ETC.

F. J. Bixby, plants	\$39.60	
E. A. Dunbar, loam and dressing	126.00	
R. J. Farquhar & Co., flower seed	1.47	
A. G. Hood, plants	125.00	
A. P. Horne & Co., plants	51.00	
Kirby Floral Co., plants	76.80	
A. F. Lenz, plants	2.50	
Manchester Hardware Co., seed	1.00	
Ray Brook Garden Co., plants	71.00	
Schlegel & Fottler Co., flower seeds	1.15	
James Thompson, loam	291.00	
John B. Varick Co., seed	23.40	
Mrs. C. C. Webster, clay	145.00	
R. E. Wilson, dressing	12.00	
	<hr/>	\$966.92

WATER, TELEPHONE, FUEL.

W. E. Dunbar & Son, coal	\$40.00	
New England Telephone & Telegraph Co., use of telephone	35.11	
Water commissioners, use of water	511.00	
	<hr/>	\$586.11

PRINTING, ADVERTISING, STATIONERY.

John B. Clarke Co., printing	\$19.85	
E. H. Clough, postmaster, envelopes.....	10.60	
C. L. Fitzpatrick, printing.....	4.80	
Temple & Farrington Co., books and station- ery	27.09	
Union Publishing Co., advertising.....	3.00	
J. Arthur Williams, printing	6.00	
	<hr/>	\$71.34

REPAIRS AND IMPROVEMENTS.

J. J. Abbott, paint	\$5.55	
C. S. Bangs, plumbing repairs	13.80	
Charles X. Baker, repairing gates	3.50	
Chelmsford Foundry Co., 200 grave markers	30.00	
F. X. Chenette, cleaning vault	3.00	
W. P. Farmer, rubber boots	3.00	
Head & Dowst Co., flag pole, sheathing, labor	27.18	
A. K. Hobbs, oil suit and hat	2.75	
J. Hodge, lumber, hot bed sash	70.03	
P. B. Kinsman, 1 typewriter	25.00	
H. J. Lawson, repairing key .....	.50	
Manchester Hardware Co., hardware	27.74	
J. Y. McQueston Co., repairing rocker	2.25	
National Burial Device Co., 1 device.....	71.25	
Palmer & Garmon, cutting numbers, slate bounds	547.44	
Pike & Heald Co., pipe, cesspool dipper, etc.	19.37	
Stark Mills, duck covers	12.70	
John B. Variak Co., hardware and tools....	168.99	
West Side Lumber Co., lumber	6.00	
Yawman & Erbe Manufacturing Co., card cabi- net and cards	22.05	
	<hr/>	\$1,062.10

TEAM EXPENSES.

Cavanaugh Brothers, 1 horse	\$175.00
S. P. Dodge Co., carriage repairs	18.25
Kimball Carriage Co., 2 collars	8.00
Clarence R. Merrill, grain	50.16

VALLEY CEMETERY.

109

Merrill & Laraba, grain	\$113.83	
Ranno Saddlery Co., harness	45.00	
J. O. & L. P. Tremblay, horseshoeing	10.79	
Joseph Vogel & Son, repairing harness, etc..	13.85	
	<hr/>	\$434.79

SUNDRIES.

American Express Co., express	\$4.05	
L. B. Bodwell & Co., ice	5.21	
Boston & Maine R. R., freight	1.90	
J. H. Erskine, expenses to Rochester, N. Y., convention American Cemetery superinten- dents	51.00	
E. F. Jones, clerk for sub-trustees, services	25.00	
Manchester Street Railway Co., tickets.....	7.50	
Winifred H. Whitecomb, typewriting	1.75	
	<hr/>	\$93.41

Total expenditures	\$9,580.92
Transferred to unappropriated money	619.08
	<hr/>
	\$10,000.00
	<hr/> <hr/>

Valley Cemetery.

Appropriation	\$3,650.00
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EXPENDITURES.

LABOR.

January	\$59.75	
February	61.60	
March	64.36	
April	201.30	
May	216.84	
June	269.38	
July	205.21	
August	226.08	
September	278.07	
October	207.10	
November	194.57	
December	131.69	
	<hr/>	\$2,115.95

WATER AND TELEPHONE.

New England Telephone & Telegraph Co., use of telephone	\$31.25	
Water commissioners, use of water	47.00	
	<hr/>	\$78.25

PLANTS, LOAM, ETC.

Frank X. Chenette, dressing	\$18.50	
S. B. Dickey, loam and dressing	27.50	
W. E. Dunbar & Son, fertilizer	3.00	
John Francis, plants	69.06	
Frank Goings, loam and sand	30.20	
Ray Brook Garden Co., pinks	2.00	
	<hr/>	\$150.26

REPAIRS AND IMPROVEMENTS.

Adams Brothers, cement	\$1.00	
B. E. Bascom, breaking roads, etc.....	33.00	
F. X. Chenette, sharpening tools	1.00	
S. B. Dickey, use of team	34.40	
F. C. Darrah, labor and material	3.25	
F. M. Goings, lumber, labor	28.80	
H. W. Harvey, building retaining wall	994.34	
Fritz Lenander, sharpening lawn mower ...	1.00	
Palmer & Garmon, cleaning monument, etc..	7.50	
Pike & Heald Co., pipe and labor, repairs....	39.92	
W. H. Tibbetts, painting	29.50	
John B. Varick Co., tools and hardware ...	61.30	
	<hr/>	\$1,235.01

SUNDRIES.

S. P. Cannon, services as clerk for sub-trustees	\$10.00	
E. H. Clough, postmaster, envelopes	2.12	
Temple & Farrington Co., books and station- ery	5.45	
	<hr/>	\$17.60

Total expenditures	\$3,597.07
Transferred to unappropriated money	52.93
	<hr/>
	<u>\$3,650.00</u>

Amoskeag Cemetery.

Appropriation	<u>\$250.00</u>
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EXPENDITURES.

SUNDRIES.

G. C. Harwood, labor	\$150.75
Head & Dowst Co., lumber	1.45
A. K. Hobbs, duck	8.45
A. G. Hood, plants	2.80

E. G. Libbey, use of team	\$2.00	
Manchester Hardware Co., hose, seed, oil	7.50	
A. D. Maxwell estate, posts, team	11.00	
Water commissioners, use of water	12.00	
		<u>\$195.95</u>
Total expenditures		\$195.95
Transferred to unappropriated money		54.05
		<u>\$250.00</u>

Merrill Yard.

Appropriation	<u>\$50.00</u>
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EXPENDITURES.

LABOR.

April	\$13.00	
May	10.50	
July	17.50	
August	6.90	
		<u>\$47.90</u>
Total expenditures		\$47.90
Transferred to unappropriated money		2.10
		<u>\$50.00</u>

Repairs of Schoolhouses.

Appropriation	\$8,000.00	
Cash received from sale of pipe.....	46.00	
Transferred from unappropriated money ...	1,499.99	
		<u>\$9,545.99</u>

EXPENDITURES.

MASONWORK.

A. & E. Reed	\$530.97	
Z. B. Stewart	196.57	
		<u>\$727.54</u>

PAINTING AND GLAZING.

J. J. Abbott	\$390.48	
J. S. Avery	3.70	
W. F. Conner	1.05	
Joel S. Daniels	297.50	
H. Desfosses & Co.....	199.39	

L. W. Howard	\$265.92
W. J. Powers	4.35
W. H. Quimby	5.00
John A. Sargeant	362.93
T. H. Stack	91.60
George S. Smith	1.20
W. H. Sullivan	267.10

 \$1,890.22

PLUMBING, IRONWORK, REPAIRS.

S. F. Adams & Co., lightning rods	\$157.00
Amoskeag Manufacturing Co., grate bars, desk irons, etc.....	80.71
Brodie Electric Co., repairing motor, etc....	32.70
E. M. Bryant & Co., electrical repairs	60.21
Bunton & Bernard, building closets.....	86.00
Bunton & Bernard, building and painting fence	109.40
Timothy Carr, removing hedge	3.00
M. J. Coleman, plumbing	5.87
F. C. Darrah, roofing material	9.56
W. E. Darrah, roofing material	13.98
Mrs. N. J. Davis, repairing flag .....	.50
G. H. Dudley, lumber, hardware, labor	41.75
C. Dean & Co., repairing clocks	11.00
R. D. Gay, shades and fixtures, etc.....	61.70
W. E. Goodwin, plumbing	38.14
Hammond Typewriter Co., repairs	5.17
E. M. Haskell, lumber and labor	618.86
Head & Dowst Co., lumber	83.36
J. Hodge, sash, doors, etc.	119.64
C. H. Hutchinson, steel, poker, etc.....	2.40
C. F. Jack, fixing boiler, etc.....	2.81
A. A. Jenkins, carbons, zines, tuning pianos	19.95
Samuel Laundry, bolts	1.00
T. A. Lane Co., material and labor, electric lights and plumbing	175.94
H. J. Lawson, repairing roofs	793.09
Frank D. Leighton, plumbing repairs	358.99
Manchester Hardware Co., poker and mop ....	.85
John T. McLaughlin, plumbing	112.76
Pike & Heald Co., material and labor	1,243.53
H. A. Piper, lumber and labor	2,031.68
D. F. Proctor, varnishing bookcase	2.05
The Power Regulator Co., repairs	28.20
Robie Consolidated Concrete Co., concreting basements	317.68

B. F. Shepard, repairs	\$7.40	
Street & Park Commission, cleaning school yards	156.50	
C. A. Trefethen, repairing clocks	3.75	
G. F. Wenzel, welding, etc.....	2.35	
	<hr/>	\$6,799.48
SUNDRIES.		
Leon B. Annis, cutting grass	\$2.00	
C. W. Bickford, paid for reiving flag ropes....	5.00	
F. X. Chenette, cleaning vaults	25.00	
Hartford Steam Boiler Insurance & Inspection Co., premium on policy	75.00	
J. G. Jones, freight and cartage	1.25	
James Reid, moving pianos	3.50	
Harry P. Roberts, reiving flag ropes.....	12.50	
Temple & Farrington Co., order books	3.50	
J. Arthur Williams, postals	1.00	
	<hr/>	\$128.75
Total expenditures		<u>\$9,545.99</u>

Printing and Advertising.

Appropriation		<u>\$300.00</u>
EXPENDITURES.		
SUNDRIES.		
Remy Bechard, printing 500 reports	\$40.00	
John B. Clarke Co., printing cards, circu- lars, reports, etc.....	223.39	
Manchester News Publishing Co., publishing notice	4.05	
Union Publishing Co., publishing notices.....	12.04	
	<hr/>	\$279.48
Total expenditures		\$279.48
Transferred to unappropriated money		20.52
		<u>\$300.00</u>

Books and Stationery.

Appropriation	<u>\$75.00</u>
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EXPENDITURES.

W. P. Goodman	\$7.23	
E. C. Lambert	45.00	
G. H. Libbey	1.48	
Remington Typewriter Co.....	3.00	
		<u>\$56.71</u>
Total expenditures		\$56.71
Transferred to unappropriated money		18.29
		<u>\$75.00</u>

Furniture and Supplies.

Appropriation	\$1,200.00	
Transferred from unappropriated money	213.98	
		<u>\$1,413.98</u>

EXPENDITURES.

PHYSICAL AND CHEMICAL SUPPLIES, ETC.

Bausch & Lomb Optical Co.....	\$12.61	
J. J. Holland	17.65	
G. H. Jack	1.35	
L. E. Knott Apparatus Co.....	124.44	
G. W. O. Tebbetts	29.28	
		<u>\$185.33</u>

BOOKS AND STATIONERY.

E. R. & W. P. Coburn, cardboard	\$0.70	
The Felix F. Daus Duplicator Co., 1 ribbon..	1.00	
Ginn & Co., blocks	2.38	
W. P. Goodman, inkstands, bands.....	1.09	
H. Marr, typewriter ribbon .....	.50	
Prang Educational Co., spheres, etc.....	3.92	
Perry Picture Co., Perry magazine, one year	1.00	
Rand, McNally & Co., maps	20.17	
Lilla C. Riley, typewriter ribbons	2.33	
E. A. Stratton, ribbons, paper	1.20	
J. W. Thyng, color chart plate	4.80	
G. P. Wallace, ribbon	1.00	
		<u>\$40.09</u>

FURNITURE, ETC.

Atkinson & Mentzer, scissors	\$28.20	
E. E. Babb & Co., pencil sharpeners	6.00	
A. Eastman, drum heads, repairs	1.75	

SEWING MATERIALS.

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S. A. Felton & Son Co., dusters, floor brushes	\$88.50	
W. P. Goodman, letter press, dictionary stand	8.95	
J. L. Hammett Co., maps and globes	48.00	
Hammond Typewriter Co., supplies	19.36	
James W. Hill Co., flags	23.38	
A. K. Hobbs, hose, tubing, etc.	13.60	
C. A. Hoitt Co., chairs, tables, desks, mats, etc.	124.47	
Kenney Brothers & Wolkins, inkwells and covers	55.15	
J. Y. McQueston Co., desks	41.00	
J. E. McDonald, brooms	5.25	
Manchester Hardware Co., hardware	.15	
F. E. Nelson, 1 basin	.19	
Olmsted & Tuttle Co., mops and waste	10.13	
Piper & McIntire, pianos, stool, cover	178.50	
Pike & Heald Co., brushes, dippers, etc.	3.04	
People's Gas Light Co., gas range	12.50	
C. A. Trefethen, 1 clock	3.50	
John B. Varick Co., brooms, brushes, dusters, cord, etc.	302.32	
Whitall-Tatum Co., jars	6.75	
		\$980.69

SUNDRIES.

E. M. Bryant & Co., electric repairs	\$21.29	
Daniels-Cornell Co., soap	15.83	
T. F. Fifield, oil, salt, matches, soap	5.57	
Hardy & Folsom, needles and cotton	.28	
Warren Harvey, cutting stone	3.50	
J. J. Holland, disinfectant	12.50	
A. A. Jenkins, changing telephone batteries..	1.25	
Manchester Mills, soap	5.70	
Masury, Young & Co., "Nodusto"	122.40	
J. Y. McQueston Co., use of chairs	6.50	
John F. Moore, pail, dippers	.55	
A. W. Morse, oil	.70	
F. H. Thurston, "Germol"	5.00	
A. M. Winchester, disinfectant	5.50	
Wiggin-Young Co., oil, pails, brooms	1.30	
		\$207.87
Total expenditures		\$1,413.98

Sewing Materials.

Appropriation	\$250.00
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EXPENDITURES.

SUNDRIES.

Elliott Manufacturing Co., waste	\$2.00	
Hardy & Folsom, emerys	1.08	
James W. Hill Co., gingham, etc.....	135.82	
Annie W. Patten, services as teacher	100.00	
John B. Varick Co., wax, scissors	3.90	
		<u>\$242.80</u>
Total expenditures		\$242.80
Transferred to unappropriated money		7.20
		<u>\$250.00</u>

Fuel.

Appropriation	\$8,800.00	
Transferred from unappropriated money ..	3,470.18	
		<u>\$12,270.18</u>

EXPENDITURES.

COAL.

L. B. Bodwell & Co.....	\$464.89	
W. E. Dunbar & Son	582.89	
J. H. DeCourcy Co.	37.16	
Manchester Coal & Ice Co.....	267.80	
Moore & Preston	3,103.59	
Moore & Preston Coal Co.....	35.00	
D. M. Poore	133.60	
John P. Russell	95.00	
Union Coal Co.....	6,266.45	
		<u>\$10,986.38</u>

WOOD.

C. H. Bodwell	\$595.38	
S. A. Blood	105.32	
W. E. Dunbar & Son	4.50	
Warren Harvey	448.65	
J. Hodge	4.25	
Moore & Preston	6.00	
		<u>\$1,164.10</u>

SUNDRIES.

Joseph H. Buffum, paid for sawing wood	\$2.50
John H. Buzzell, sawing wood	3.00
John Buswell, sawing wood	4.50
C. B. Clarkson, weighing coal	20.00

Ignace Gravel, sawing wood	\$2.00	
M. S. Leeds, sawing wood	7.00	
Edward Moore, piling wood	2.00	
Robert Smith, sawing wood	8.00	
W. E. Woodward, sawing and delivering wood	70.70	
		<u>\$119.70</u>
Total expenditures		<u><u>\$12,270.18</u></u>

Contingent Expenses.

Appropriation	\$2,500.00	
Transferred from unappropriated money	289.32	
		<u>\$2,789.32</u>

EXPENDITURES.

FREIGHT AND CARTAGE.

J. G. Jones	\$12.72
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WATER, GAS, ELECTRIC LIGHTS.

Manchester Traction, Light & Power Co., electric lights	\$452.55	
People's Gas Light Co., gas	322.71	
Water Commissioners, use of water	951.03	
		<u>\$1,726.29</u>

CARRYING WATER.

Emma J. Ela	\$26.50	
Lura K. Kimpton	19.00	
Mrs. Byron E. Moore	3.00	
G. M. Morse	19.00	
Arabella Rickaby	11.50	
		<u>\$79.00</u>

SUNDRIES.

E. E. Babb & Co., punches and eyelets	\$2.20
C. W. Bickford, use of team	122.00
Maude E. Brown, use of team	54.00
Boston Bank Note Co., diplomas	205.10
Walter Cody, rent of store for school	150.00
C. W. Davis, use of team	150.00
Joel S. Daniels, brushes	9.60
C. L. Downs, engrossing diplomas	48.40
G. H. Dudley, labor on frame, etc.....	1.58
Oliver Ditson Co., books	19.04
E. A. Dunbar, grass seed, teams, labor	67.69
Ginn & Co., music	39.84
Hardy & Folsom, ribbon for diplomas	20.15

Charles A. Hoitt Co., use of chairs	\$1.00	
W. Heron, Jr., filling diplomas .....	.60	
A. A. Jenkins, tuning pianos	4.50	
Pay Roll Division No. 2, February	35.61	
Piper & McIntire, rent of piano	25.00	
Ede B. Shand, labelling readers	2.00	
Silver, Burdett & Co., music books	1.20	
Temple & Farrington Co., 1 leather case ....	.90	
C. A. Trefethen, repairing clocks	10.00	
Olmsted & Tuttle Co., mops .....	.90	
		\$971.31
Total expenditures		\$2,789.32

Heating Plant.—Wilson School.

Appropriation	\$2,650.00
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EXPENDITURES.

SUNDRIES.

Frank D. Leighton, heating, per contract....	\$2,400.00	
Frank D. Leighton, extra charges.....	60.00	
Pike & Heald Co., drawing plans for heating	84.00	
		\$2,544.00
Total expenditures		\$2,544.00
Transferred to unappropriated money		106.00
		\$2,650.00

Extra Heating.—Ash-street School.

Appropriation	\$800.00
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EXPENDITURES.

SUNDRIES.

W. E. Goodwin, heating, per contract.....	\$724.00	
W. E. Goodwin, repairing old boiler, etc.....	28.37	
Pike & Heald Co., plans and specifications....	25.00	
Union Coal Co., labor of man and team.....	5.13	
		\$782.50
Total expenditures		\$782.50
Transferred to unappropriated money.....		17.50
		\$800.00

Care of Schoolrooms.

Appropriation	\$6,900.00	
Transferred from unappropriated money	140.08	
	<hr/>	\$7,040.08
		<hr/> <hr/>

EXPENDITURES.

JANITORS.

John S. Avery	\$600.00	
Edwin Baker	349.92	
Joseph Buffum	499.92	
S. H. Batchelder	499.92	
Joseph Chalifoux	270.81	
William F. Conner	549.96	
Charles H. Corey	199.92	
Emma J. Ela	53.00	
Percy N. Folsom	9.21	
James B. Hall	17.50	
Charles F. Jack	649.92	
George H. Jack	549.96	
Lura K. Kimpton	40.00	
H. T. Miller	107.36	
J. Frank Moore	109.35	
W. H. Newry	660.00	
Oscar Perkins	150.00	
William J. Powers	600.00	
W. L. Rhodes	121.01	
Arabella Rickaby	48.36	
Josephine L. Riddle	38.00	
Charles H. Scobey	158.61	
William Stevens	399.96	
Asa W. Smith	249.96	
Inez M. Warren	38.00	
	<hr/>	\$6,970.65

SUNDRIES.

C. W. Bickford, paid for cleaning	\$16.30	
Isaac Huse, Jr., paid for work	3.00	
Mrs. A. M. Oliver, cleaning	2.50	
Walter C. Partridge, assisting janitor	41.25	
Josephine L. Riddle, paid for cleaning	2.00	
John Stahl, cleaning	4.38	
	<hr/>	\$69.43
Total expenditures		<hr/> <hr/> \$7,040.08

Evening Schools.

Appropriation	\$1,200.00
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EXPENDITURES.

SALARIES.

Jennette M. Bartlett	\$53.00	
Lena Bower	5.00	
Charles E. Cochran	116.00	
Honorie J. Crough	116.00	
Ethel Currier	5.00	
Marianna Fitts	58.00	
Irving E. Forbes	46.00	
Margaret G. Linen	58.00	
Myra Moore	58.00	
A. W. Morgan	116.00	
Ada B. Morse	33.00	
Adelia Murphy	58.00	
Ende Noury	58.00	
Arthur W. Rowell	58.00	
Ede B. Shand	51.00	
Minnie Sullivan	58.00	
Mary A. Walker	58.00	
John J. Walsh	31.00	
Maude E. Willand	38.00	
	<hr/>	\$1,074.00

SUNDRIES.

S. H. Batchelder, janitor	\$29.00	
Joseph Chalifoux, janitor	29.00	
John B. Clarke Co., printing placards, etc..	10.20	
Pike & Heald Co., Welsbach burners	12.80	
Asa M. Smith, janitor	29.00	
	<hr/>	\$110.00

Total expenditures	\$1,184.00
Transferred to unappropriated money	16.00
	<hr/>
	<u>\$1,200.00</u>

Evening School.—Mechanical Drawing.

Appropriation	\$300.00
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EXPENDITURES.

SALARIES

H. W. Allen	\$120.00	
John M. Kendall	120.00	
	<hr/>	\$240.00

FREE TEXT-BOOKS.

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SUNDRIES.

Charles A. Hoitt Co., stools	\$3.60	
E. A. Stratton, paper	40.00	
John B. Varick Co., triangles, curves, etc....	5.75	
		<u>\$49.35</u>
Total expenditures		\$289.35
Transferred to unappropriated money		10.65
		<u><u>\$300.00</u></u>

Teachers' Salaries.

Appropriation	\$94,000.00	
Transferred from unappropriated money	584.94	
		<u><u>\$94,584.94</u></u>

EXPENDITURES.

SALARIES.

January	\$9,657.39	
February	9,799.30	
March	9,947.67	
April	4,918.34	
May	9,905.92	
June	12,485.09	
September	7,531.91	
October	10,097.35	
November	9,964.19	
December	10,277.78	
		<u>\$94,584.94</u>
Total expenditures		<u><u>\$94,584.94</u></u>

Free Text-Books.

Appropriation	<u><u>\$6,000.00</u></u>
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EXPENDITURES.

TEXT-BOOKS AND SUPPLIES.

Allyn & Bacon	\$10.92
American Book Co.....	526.34
Atkinson & Mentzer	40.00
D. Appleton & Co.	6.35
Henry Amigh	2.48
E. E. Babb & Co.....	551.11
Milton Bradley	29.67

Boston School Supply Co.....	\$8.25	
Carter, Rice & Co.....	3.50	
T. H. Castor & Co.	25.60	
Central School Supply House	100.00	
The Felix F. Daus Duplicator Co.....	5.50	
DeWolfe, Fiske & Co.....	5.35	
N. H. Earle & Co.....	27.50	
Eagle Pencil Co.....	15.60	
Educational Publishing Co.....	3.92	
Gregg Publishing Co.....	49.00	
Ginn & Co.....	692.75	
W. P. Goodman	54.30	
Herman Goldberger	11.65	
J. L. Hammett Co.	436.09	
Hammond Typewriter Co.....	286.37	
John C. Haynes & Co.....	32.00	
D. C. Heath & Co.....	462.26	
Houghton, Mifflin & Co.....	27.59	
Kenney Brothers & Wolkins	190.39	
G. F. King & Co.....	52.26	
Andrew J. Lloyd & Co.....	6.30	
Lothrop Publishing Co.....	6.49	
Maynard, Merrill & Co.....	198.33	
G. & C. Merriam Co.....	8.65	
W. L. Musick Publishing Co.....	43.20	
New England Publishing Co.....	6.00	
New England Reed Co.....	12.52	
The Palmer Co.....	3.00	
S. S. Packard	25.35	
Perry Magazine Co.....	1.00	
Prang Educational Co.....	422.82	
Rand, McNally & Co.....	50.00	
S. E. Robinson	20.70	
Sibley & Co.....	8.58	
Silver, Burdett & Co.....	391.36	
E. A. Stratton	10.45	
Thompson, Brown & Co.....	268.28	
University Publishing Co.....	8.80	
William Ware & Co.....	100.20	
Wadsworth, Howland & Co.....	21.18	
		\$5,269.96
SUNDRIES.		
J. G. Jones, freight and cartage	\$52.36	
Fannie L. Sanborn, superintendent's clerk....	500.00	
		\$552.36
Total expenditures		\$5,822.32
Transferred to unappropriated money		177.68
		<u>\$6,000.00</u>

Manual Training.

Appropriation	\$500.00
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EXPENDITURES.**SUNDRIES.**

Amoskeag Manufacturing Co., iron and brass castings, etc.....	\$12.35	
F. E. Browne, balance due	3.30	
Mrs. N. J. Davis, laundry and repairs	3.25	
Derryfield Co., lumber	254.83	
A. K. Hobbs, belt lacing, packing, repairs....	10.19	
Manchester Hardware Co., vise and gauge....	6.56	
Manning, Maxwell & Moore, tools and supplies	138.79	
E. A. Stratton, 1 roll blue print	1.65	
John B. Varick Co., hardware.....	59.83	
	<hr/>	\$490.75
Total expenditures.....		<hr/> \$490.75
Transferred to unappropriated money		9.25
		<hr/> \$500.00

Paupers off Farm.

Appropriation	\$10,000.00	
Transferred from unappropriated money.....	1,339.83	
	<hr/>	\$11,339.83

EXPENDITURES.**GROCERIES AND MEATS.**

Charles Bete	\$20.00
George Boisvert	117.00
George Boynton	21.60
P. J. Charron	72.00
C. H. Clark	16.68
Desrochers & Poirier	79.00
Dumas & Prince	6.00
T. F. Fifield	5.00
H. Fradd & Co.....	16.00
Arthur Gagne	110.95
J. J. Grenier	28.00
Felix Harbour	46.00
B. L. Hartshorn	32.00
Mrs. Mary Hayes	351.00
J. F. Healy	266.00

Reinhardt Hecker	\$35.00
D. J. Hickey	39.22
Patrick Kelley	9.45
John A. Kane	228.00
F. G. Kimball	1.20
J. N. Lacourse	77.00
T. J. Labrecque	540.64
A. S. LaSalle	63.00
Lamoureux Brothers	5.00
G. Lein & Son	748.00
E. W. Lewis	21.00
P. D. Lynch	485.00
E. J. Madden	118.50
T. H. Mahoney	54.00
M. R. Maynard & Co.....	50.00
Molleur, Noel & Messier	26.00
A. W. Morse	65.31
B. E. Murray	295.00
Oscar McDuffie & Co.....	22.00
Martin McIntire	98.00
A. Nelson	18.00
C. E. Newcomb	33.00
North End Provision Co.....	8.00
O. H. Nourry	24.00
John W. Nye	1.00
F. X. Parent	87.00
E. W. Perkins	42.02
Edmond Pinard	32.00
W. J. Price	8.00
M. Peloquin	24.00
F. H. Poore	7.69
Eugene Quirin	543.00
J. O. Robitaille	69.00
G. T. Robinson	18.00
M. A. Sheehan	1,006.00
Charles Swinston	8.00
Joseph Trahan	50.00
Aime Trottier	227.00
Calixte Vigneault	12.00
Wallace & Knox	31.00
Robert Wallace	1.17
S. M. Wheeler	48.00
	<hr/>
	\$6,466.43
FUEL.	
P. Beauchamp & Co.....	\$6.50
Charles Boisclair & Co.....	25.80
C. H. Bodwell	494.66

Edmond Bourque	\$15.25
D. F. Cronin	88.50
W. E. Dunbar & Son	18.50
Alexis Ferland	11.00
C. A. & A. W. Flint	8.00
August Gellrich	8.00
Manchester Coal & Ice Co.....	45.65
A. D. Maxwell estate	14.00
Moore & Preston	64.50
People's Gas Light Co.....	6.25
Omar Pepin	20.25
E. W. Poor	3.75
Raiche & Laforce	20.65
Henry Weber	22.00
S. M. Wheeler	25.00
W. E. Woodward	175.00

 \$1,073.26

BOARD, CARE, AND RENT.

Mrs. Olive Auger	\$120.00
Mrs. Frank Briggs	2.00
George H. Brown	15.00
J. H. Boone	12.00
M. L. Boudreau	16.00
Edward Boucher	30.00
Michael Butler	5.00
Hannah Callahan	8.00
Mrs. Eliza Clair	20.00
Eugene Collity	126.00
Catherine Cunningham	6.00
George A. Dolber	2.00
Adelard Dumas	96.00
Bridget Eagan	30.00
Margaret Flanagan	32.00
W. H. Gilmore	104.00
Mrs. Wilfred Guevin	54.00
Florence Hardy	72.00
Reinhardt Hecker	7.00
Hillsborough County	839.01
Infant Asylum	188.00
F. P. Johnson	12.00
Patrick Lavery	21.25
Marie Lynch	26.00
W. H. Maxwell	90.00
Thomas Mahoney	30.00
Moses C. Morey	5.00
New Hampshire State Hospital	201.77
Notre Dame Hospital	93.75

James Orr	\$50.00	
Catherine Reagan	26.00	
Sacred Heart Hospital	35.00	
State Industrial School	172.28	
Andrew Schrieker	15.00	
Mrs. Ellen Sullivan	20.00	
St. Joseph's Boys' Home	182.50	
St. Joseph's Orphanage	86.25	
St. Patrick's Orphanage	103.75	
Orphanut St. Pierre	40.00	
Henry Volkmann	96.00	
Edward Weber	39.00	
Women's Aid Home	51.00	
		\$3,180.56

BOOTS AND SHOES.

John Cayzer	\$16.05	
Costello Brothers	26.25	
E. C. Chagnon	5.00	
Dodge & Dodge	1.95	
G. W. Dodge Shoe Co.....	3.75	
W. P. Farmer	16.00	
J. T. Lemire & Co.....	18.00	
Pellerin & Simard	25.60	
P. G. Power	7.00	
D. F. Shea	3.75	
P. F. Toole	23.10	
		\$146.45

CLOTHING.

Besse, Eldridge & Co.....	\$12.94	
Charles M. Floyd	14.00	
Barnet Levine	29.00	
W. M. Marcotte & Co.....	9.00	
Joseph Nightingale	11.00	
		\$75.94

MEDICINE, MEDICAL SERVICES, FUNERAL EXPENSES.

Charles Boisclair, burial outfit.....	\$10.00
I. L. Carpenter, M. D., consultations with Dr. DeGross	6.00
W. M. Eames Co., medicine	1.25
A. L. Gadbois & Co., burial outfits.....	50.00
John B. Hall Co., medicine	110.75
J. J. Holland, medicine	2.75
Kerwin & Sheehan, medicine, etc.....	14.05
F. C. Miville, medicine	3.90

Frederick Perkins, M. D., examination of insane person	\$8.00	
A. J. Precourt, medicine	10.00	
Moses Potvin, medicine	15.70	
F. H. Thurston, medicine	25.50	
E. V. Tureotte, burial outfits.....	25.00	
F. L. Wallace, burial outfit	25.00	
Frank L. Way, prescriptions filled	1.50	
	<hr/>	\$309.40

SUNDRIES.

Boston & Maine R. R., tickets	\$24.04	
Thomas R. Brown, use of team to Grasmere..	6.00	
John B. Clarke Co., postals and printing	5.25	
J. J. Connor, storage of furniture	8.50	
W. J. Freeman, use of hack	5.00	
W. P. Goodman, books and stationery	26.75	
Edmond Henault, conveying insane person to Concord	2.25	
Kean & Sheehan, conveying person to hospital	3.00	
Thomas Stewart, conveying insane person to Concord	2.25	
Thomas F. Sheehan, conveying insane person to Concord	3.50	
Temple & Farrington Co., 1 copy Laws.....	1.25	
	<hr/>	\$87.79
Total expenditures		<u><u>\$11,339.83</u></u>

City Farm.

Appropriation	\$8,500.00	
Transferred from unappropriated money....	335.58	
	<hr/>	<u><u>\$8,835.58</u></u>

EXPENDITURES.

Eugene G. Libbey, superintendent	\$500.00	
Mrs. Eugene G. Libbey, matron	300.00	
	<hr/>	\$800.00

HOUSE AND FARM LABOR.

January	\$150.42
February	150.51
March	139.60
April	106.61
May	108.03
June	180.61
July	135.42

August	\$135.85	
September	109.51	
October	146.92	
November	124.61	
December	132.33	
	<hr/>	\$1,620.42
W. H. Bean	\$8.07	
Annie Bennett	3.15	
William Copeland	4.03	
Ida Cox	7.43	
Eugene M. Dwyer	3.66	
Bert Fish	11.26	
Emma Fish	2.09	
Albert H. French	10.66	
Joseph Gagnon	23.33	
Nellie Hardy	2.00	
Chester Maynard	12.66	
L. B. Morse	22.73	
Albert McCarthy	35.00	
Charles McCarthy	16.81	
Christine McDonald	9.71	
Alice McLaughlin	6.00	
Mary O'Neil	3.25	
Alfred Peaslee	4.40	
J. Rowell	8.07	
Alfred Rainville	2.25	
Amos B. Russell	21.00	
Henry Spain	19.33	
Jennie Tracy	6.28	
Richard Webber	22.00	
	<hr/>	\$265.17

FUEL.

C. H. Bodwell, wood	\$246.80	
L. B. Bodwell & Co., coal	37.50	
W. E. Dunbar & Son, coal	74.50	
Union Coal Co., coal	120.85	
	<hr/>	\$479.65

CLOTHING, DRY GOODS, ETC.

Barton & Co., dry goods	\$39.92	
Besse, Eldridge & Co., clothing	7.18	
G. W. Dodge Shoe Co., boots and shoes	30.46	
W. P. Farmer, boots, shoes, rubbers	39.10	
C. M. Floyd, clothing	145.12	
James W. Hill Co., dry goods	77.71	
Heath's Shoe Store, shoes	34.90	
Manchester Dry Goods Co., dry goods	11.82	

CITY FARM.

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William Marcotte & Co., clothing	\$35.52
H. M. Moody, clothing	39.50
P. L. Ryder, rubber boots	30.60
J. Tattleman, socks	1.50
Union Publishing Co., overalls and jumpers..	34.50

 \$527.83

MEATS AND PROVISIONS.

C. A. Allen	\$3.95
E. Booth	5.00
C. H. Clark	187.96
H. R. Chase	4.00
C. H. Durgin	28.79
Daniels-Cornell Co.	207.44
Dodge & Laing	18.58
Clarence Durgin	26.73
T. F. Foley & Co.....	18.00
Granite State Beef Co.....	32.18
Mark E. Harvey	8.44
Manchester Beef Co.	4.75
Manchester Provision Co.....	219.46
Manchester Tea Co.	8.53
Horace Marshall	6.67
Maynard & Co.	34.98
T. H. Mahoney	7.70
National Biscuit Co.....	16.71
Nelson Morris & Co.....	25.65
George E. Noyes	13.25
J. W. Nye	114.07
J. H. Parmenter	18.85
Parnell Brothers	172.45
Henry W. Parker	474.02
C. B. Perkins	4.80
E. M. Slayton Co.....	82.06
Sinclair & Fellows	4.95
John P. Squire & Co.....	22.97
Summer Street Market	181.73
W. F. Schonland	40.36
Union Grocery Co.....	7.00
Vermont Butter Co.....	3.38
J. H. Wiggin & Co.....	205.25

 \$2,212.56

FURNITURE, KITCHEN UTENSILS.

C. A. Hoitt Co., reupholstering lounge, etc...	\$6.50
C. A. Hoitt Co., beds and bedding	18.50
R. K. Horne, tinware and crockery	25.02
Pike & Heald Co., pails	4.80

 \$54.82

MEDICINE, MEDICAL AND VETERINARY SERVICES.

N. Chandler, ointment	\$1.50	
A. L. Dodge, V. S., attendance and medicine ..	9.50	
John B. Hall Co., medicine	14.40	
J. J. Holland, medicine	2.25	
	<hr/>	\$27.65

BLACKSMITHING, HARNESSES, ETC.

Barton Oil Co., harness oil	\$4.50	
Hickey & Tuohey, blacksmithing	15.00	
H. Lambert, blacksmithing'	1.15	
J. O. & L. P. Tremblay, blacksmithing.....	133.50	
Joseph Vogel & Son, harness repairs and supplies	8.15	
N. J. Whalen, harness supplies and repairs	39.30	
	<hr/>	\$201.60

CARRIAGE REPAIRS.

Couch & McDonald	\$90.05	
W. H. Goodwin	7.75	
C. H. Hutchinson	3.76	
Samuel Landry	1.35	
	<hr/>	\$102.91

HAY, GRAIN, ETC.

Annis Flour & Grain Co.....	\$39.15	
A. S. Brown	222.41	
Gage & McDougall	81.50	
C. R. Merrill	113.40	
Merrill & Laraba	129.03	
Titus Hay & Grain Co.....	257.25	
	<hr/>	\$842.74

HARDWARE AND FERTILIZERS.

E. G. Bodwell Nursery Co.....	\$5.00	
Manchester Hardware Co.....	34.86	
John B. Varick Co.....	282.70	
	<hr/>	\$322.56

PREMIUM ON INSURANCE POLICIES.

W. G. Berry	\$65.70	
George Blanchet	10.95	
Robert R. Chase	21.90	
John Dowst	21.87	
Everett & Scott	32.85	
Charles C. Hayes	21.90	
John A. Sheehan	54.75	
Fred R. Stark	10.95	
	<hr/>	\$240.87

PRINTING, ADVERTISING, STATIONERY, TELEPHONE.

John B. Clarke Co., advertising	\$1.45	
W. P. Goodman, stationery	2.86	
New England Telephone & Telegraph Co., use of telephone	34.19	
Novelty Advertising Co., supplies	3.85	
Albert Ruemely, printing tags	1.25	
Sampson, Murdock & Co., 1 directory.....	2.00	
	<hr/>	\$45.60

REPAIRS AND IMPROVEMENTS.

J. J. Abbott, paper and hanging	\$17.97	
J. E. Buerk, repairing clock, etc.....	5.75	
Thomas J. Briggs, repairs	13.29	
F. C. Darrah, repairing roof	14.65	
Peter Harris, key	1.00	
Head & Dowst Co., lumber and shingles	90.56	
J. Hodge, lumber	16.74	
T. A. Lane Co., lamps, brush, plumbing.....	213.16	
Pike & Heald Co., tin, wire, repairs.....	4.91	
Harry A. Piper, labor	15.25	
Harry A. Piper, contract, fire damage.....	250.00	
A. & E. Reed, mason work	5.15	
John E. Shaw, ladders	3.50	
The Sherwin-Williams Co., paint	9.00	
D. T. Weir White Lead Co., white lead	27.50	
	<hr/>	\$688.23

SUNDRIES.

Boston & Maine R. R., freight	\$3.53	
L. B. Bodwell & Co., filling ice house	17.00	
F. S. Clark, threshing oats	24.00	
John B. Clarke Co., "Daily Mirror".....	6.00	
C. W. Clement, pulling tooth .....	.50	
H. R. Dow & Co., use of hack	5.00	
F. F. Fisher, extracting tooth .....	.50	
W. J. Freeman, use of hacks	22.00	
E. A. Hannum, cockroach powder	3.75	
A. K. Hobbs, leather, oil suit, rubber boots, etc.	31.98	
P. Harrington, casks	6.25	
Hubbard Cigar Store, tobacco	28.80	
Frank Jones' estate, 1 pig	10.00	
Albert Kidder, subscription to "New England Homestead"	2.00	
E. G. Libbey, paid for express, stamps, freight, berries, repairs	10.00	

Manchester Employment Agency, help furnished	\$2.00	
Manchester Traction Light & Power Co., electric lights	99.96	
G. W. Reed, use of hack	5.00	
A. A. Warren, oil	5.70	
Water commissioners, use of water	\$4.00	
Whipple Farm, hogs	35.00	
		<u>\$402.97</u>
Total expenditures		<u><u>\$8,835.58</u></u>

Indigent Soldiers.

Appropriation	\$125.00
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EXPENDITURES.

GROCERIES.

F. H. Poore	\$83.70
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FUEL.

A. D. Maxwell estate	\$17.50	
Maxwell Ice Co.....	7.00	
W. E. Woodward	2.00	
		<u>\$26.50</u>

Total expenditures	\$110.20
Transferred to unappropriated money	14.80
	<u>\$125.00</u>

File and Index System.

Balance from last year unexpended	\$206.50
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EXPENDITURES.

Anna S. Smith, labor	\$160.00
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Total expenditures	\$160.00
Transferred to new account	46.50
	<u>\$206.50</u>

Board of Examiners of Plumbers.

Appropriation	\$50.00
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MILITIA.

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EXPENDITURES.

SUNDRIES.

Remy Bechard, printing reports	\$5.25	
W. P. Goodman, stationery	5.63	
Pike & Heald Co., supplies	24.98	
Temple & Farrington Co., books and binding	13.98	
		<u>\$49.84</u>
Total expenditures		\$49.84
Transferred to unappropriated money16
		<u><u>\$50.00</u></u>

Band Concerts.

Appropriation		<u><u>\$400.00</u></u>
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EXPENDITURES.

George's City Band	\$100.00	
Manchester Cadet Band	100.00	
St. Mary's Band	100.00	
Turner Band	100.00	
		<u>\$400.00</u>
Total expenditures		<u><u>\$400.00</u></u>

Militia.

Balance from last year unexpended	\$100.00	
Appropriation	800.00	
		<u>\$900.00</u>

EXPENDITURES.

Company C, First Regiment, N. H. N. G.	\$100.00	
Company F, First Regiment, N. H. N. G.	100.00	
Company H, First Regiment, N. H. N. G.	100.00	
Company L, First Regiment, N. H. N. G.	100.00	
Camp Derwin, No. 184, Spanish-American War Veterans	200.00	
Joseph Freschl Post, No. 94, G. A. R.	100.00	
Louis Bell Post, No. 3, G. A. R.	100.00	
Manchester War Veterans	100.00	
		<u>\$900.00</u>
Total expenditures		<u><u>\$900.00</u></u>

Decoration of Soldiers' Graves.

Appropriation		\$400.00
		<u> </u>
	EXPENDITURES.	
Louis Bell Post, No. 3, G. A. R.....	\$350.00	
Joseph Freschl Post, G. A. R.....	50.00	
	<u> </u>	\$400.00
Total expenditures		<u> </u> <u> </u>

Purchase of Land Sold for Taxes.

Appropriation		\$6,800.00
		<u> </u>
	EXPENDITURES.	
George E. Morrill, purchased for city		\$6,683.48
Total expenditures		<u> </u>
Transferred to unappropriated money		116.52
		<u> </u> <u> </u>

Abatement of Taxes.

Appropriation	\$2,000.00	
Transferred from unappropriated money	21,555.13	
	<u> </u>	\$23,555.13
		<u> </u>
	EXPENDITURES.	
George E. Morrill, sundry persons	\$1,128.40	
New England Telephone & Telegraph Co....	594.98	
	<u> </u>	\$1,723.38
Total expenditures		<u> </u>
Transferred to new account		21,831.75
		<u> </u> <u> </u>

State Tax.

Appropriation		\$63,869.00
		<u> </u>
	EXPENDITURES.	
State of New Hampshire		\$63,869.00
		<u> </u> <u> </u>

County Tax.

Appropriation \$94,382.00

EXPENDITURES.

County of Hillsborough \$94,382.00

Riddle Fund.

Amount of bequest \$15,000.00
 Interest on fund 264.30

 \$15,264.30

EXPENDITURES.

SUNDRIES.

F. L. Allen, express on plans returned..... \$1.40
 McFarland, Colby & McFarland, on account
 plans prepared for Ursula chapel..... 300.00

 \$301.40

Total expenditures \$301.40
 Transferred to new account 14,962.90

 \$15,264.30

Revision of Ordinances.

Appropriation \$600.00

EXPENDITURES.

Transferred to new account \$600.00

Elliot Hospital.

Appropriation \$300.00

EXPENDITURES.

Elliot Hospital, amount appropriated \$300.00

Notre Dame de Lourdes Hospital.

Appropriation \$300.00

EXPENDITURES.

Notre Dame de Lourdes Hospital, amount appropriated .. \$300.00

Sacred Heart Hospital.

Appropriation \$300.00

EXPENDITURES.

Sacred Heart Hospital, amount appropriated \$300.00

Women's Aid Home.

Appropriation \$300.00

EXPENDITURES.

Women's Aid Home, amount appropriated \$300.00

W. C. T. U. Mercy Home.

Appropriation \$300.00

EXPENDITURES.

W. C. T. U. Mercy Home, amount appropriated \$300.00

Resolution Raising Money and Making Appropriations for the Year Nineteen Hundred and Three.

Resolved by the Common Council of the City of Manchester, in City Council assembled, as follows:

That the sum of six hundred eighty-seven thousand dollars (\$687,000) be raised by the tax on the polls and estates liable thereon, for the use of the city for the year 1903, which sum, together with such unappropriated money as may be now in the city treasury, or may hereafter come into it, shall be appropriated as follows:

CENTRAL DEPARTMENT.

Interest	\$44,700.00
Sinking fund trustees	31,000.00
City hall	3,800.00
Printing and stationery	1,600.00
Incidental expenses	7,000.00
Land sold for taxes	6,800.00

APPROPRIATIONS.

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Mayor's incidentals	\$300.00
City officers' salaries	26,300.00
Payment of funded debt	10,000.00
Revision of ordinances	600.00
Engineer's department	6,825.00
Auditor's department	2,000.00

DEPARTMENT OF TAXES.

Abatement of taxes	\$2,000.00
State tax	63,869.00
County tax	94,382.00

STREET AND SEWER DEPARTMENT.

Street and park commissioners	\$3,500.00
Repairs of highways	25,000.00
New highways	5,000.00
Watering streets	4,000.00
Macadamizing streets	6,000.00
Grading for concrete	4,000.00
Scavenger service	15,000.00
Street sweeping	3,000.00
Repairs of bridges	6,000.00
City teams	6,000.00
Repairs of sewers	5,000.00
New sewers	20,000.00
Snow and ice	4,500.00
Paving Elm street	6,000.00
Paving streets	5,000.00

SCHOOL DEPARTMENT.

Repairs of schoolhouses	\$8,000.00
Fuel	8,800.00
Furniture and supplies	1,200.00
Printing and advertising	300.00
Books and stationery	75.00
Contingent expenses	2,500.00
Care of rooms	6,900.00
Evening schools	1,200.00
Teachers' salaries	94,000.00
Evening school, mechanical drawing	300.00
Free text-books	6,000.00
Manual training	500.00
Sewing materials	250.00
New heating, Wilson's school	2,650.00
Extra heating, Ash-street school	800.00

FIRE DEPARTMENT.

Fire department	\$65,865.00
Fire-alarm telegraph	1,800.00
Hydrant service	19,200.00

PUBLIC BUILDINGS.

Repairs of buildings	\$4,625.00
Commons	4,500.00
Stark park	1,000.00
Derryfield park	1,000.00
Pine Grove cemetery	10,000.00
Valley cemetery	3,650.00
Amoskeag cemetery	250.00
Merrill yard	50.00
South End playground	75.00
Lafayette park	1,000.00
North End playground	75.00
Completing Wilson Hill engine house.....	2,500.00
Riddle playground	50.00
Plumbing inspectors	50.00

HEALTH DEPARTMENT.

Health department	\$10,000.00
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CITY LIBRARY.

City library	\$5,802.00
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PATRIOTIC, CHARITABLE AND PHILANTHROPIC.

Paupers off farm	\$10,000.00
City farm	8,500.00
Indigent soldiers	125.00
Women's Aid Home	300.00
Elliot Hospital	300.00
Sacred Heart Hospital	300.00
Notre Dame Hospital	300.00
Mercy Home	300.00
Decoration of soldiers' graves	400.00
Company C, First Regiment, N. H. N. G.....	100.00
Company F, First Regiment, N. H. N. G.....	100.00
Company A, First Regiment, N. H. N. G.....	100.00
Company L, First Regiment, N. H. N. G.....	100.00
Band concerts	400.00
Joseph Freschl Post, G. A. R.....	100.00
Louis Bell Post, G. A. R.....	100.00
Manchester War Veterans	100.00
Spanish War Veterans	100.00

APPROPRIATIONS.

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POLICE DEPARTMENT.

Police commission	\$43,100.00
Police court	2,900.00
Police station	2,500.00

LIGHTING STREETS DEPARTMENT.

Lighting streets	\$58,000.00
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Passed February 24, 1903, in Board of Common Council.

Gentlemen of the Common Council:

The resolution of your honorable board, of February 24, 1903, relating to receipts and expenditures of the city of Manchester for the present year, was received by me February 27, 1903, and I herewith return the same with my objections affixed thereto in writing. I wish to say that as a whole the resolution meets with my approval. I fully appreciate the able and conscientious manner in which this difficult financial problem has been handled by your honorable board, and I feel assured that the efforts you have made in the direction of retrenchment and curtailment of expenses will also meet with the entire approval of the taxpayers of Manchester. Under the provisions of this budget the tax rate will approach nearer to the two per cent mark than many believed possible.

There is, however, one certain item of \$6,000, viz.: "Paving Elm street," which I am constrained to veto, and for two reasons: First, by so doing we shall remain consistent in the policy which marks the rest of the appropriations, of cutting out everything that we do not consider great public necessities, and, secondly, by adding the sum to certain appropriations which are of the utmost importance, and which I fear have been crippled by reductions, we will make it possible to carry the work along more effectually in those particulars. I refer to the items under the street and sewer department of removal of snow and ice, watering streets, and scavenger teams.

I, therefore, herewith veto the appropriation of \$6,000 for paving Elm street and respectfully recommend that the sum thereto appropriated be added to the appropriations for the removal of snow and ice, watering streets and scavenger teams, so that said items may read as follows:

Removal of snow and ice	\$5,500.00
Watering streets	5,500.00
Scavenger teams	17,500.00

Respectfully submitted,

EUGENE E. REED,
Mayor.

Dated at Manchester, this 7th day of March, 1903.

March 9, 1903. In Board of Common Council. Veto sustained, and recommendations of mayor not adopted.

TABULAR STATEMENT OF TAXATION BY BOARD OF ASSESSORS.

Resident and non-resident.	Polls		Dogs.*		Real estate value.	Stock in trade.	Money on hand, at interest, or on deposit, Value.	Horses, asses, and mules, over 18 months old.		Carpriages, value.	Cows, oxen, and other neat stock over 18 months old.	
	No.	Value.	Male.	Female.				Tax.	No.		Value.	No.	Value.
1890	9,723	\$972,300	710	51	8812.00	\$2,351,102.00	\$378,226.00	1,737	\$172,186.00	\$50,400.00	717	\$15,470.00
1891	10,307	1,036,700	713	49	8111.00	2,332,752.00	382,626.00	2,151	185,846.00	53,496.00	671	12,944.00
1892	10,673	1,067,300	700	43	786.00	2,355,780.00	375,691.00	2,235	200,182.00	53,590.00	616	12,580.00
1893	11,835	1,183,500				2,554,818.00	425,324.00	2,777	210,632.00	59,516.00	551	11,656.00
1894	12,103	1,210,300				2,421,964.00	519,500.00	2,608	200,376.00	57,526.00	452	9,618.00
1895	12,244	1,224,400				2,435,546.00	149,592.00	2,639	196,264.00	59,128.00	431	9,710.00
1896	12,582	1,258,300				2,421,862.00	147,148.00	2,644	184,790.00	57,440.00	410	9,308.00
1897	12,921	1,292,100				2,772,460.00	113,288.00	2,617	174,746.00	57,810.00	507	10,920.00
1898	12,808	1,280,800				2,782,386.00	167,160.00	2,640	171,242.00	56,668.00	551	12,460.00
1899	13,137	1,313,700				3,939,419.00	176,388.00	2,648	169,977.00	58,129.00	619	14,570.00
1900	13,759	1,375,900				3,509,072.00	1,293,685.00	2,755	174,593.00	88,500.00	704	16,690.00
1901	13,976	1,397,600				3,888,617.00	394,436.00	2,669	174,242.00	99,976.00	551	14,076.00
1902	14,079	1,407,900				3,536,583.00	1,173,222.00	2,621	180,157.00	120,369.00	519	13,411.00
1903	14,384	1,438,400				3,303,445.00	1,210,597.00	2,577	179,065.00	129,404.00	554	16,089.00

* Dog tax repealed. See chapter 6, January Laws of 1893.

TABULAR STATEMENT OF TAXATION BY BOARD OF ASSESSORS.—Continued.

Hogs.	Sheep over 6 months old.		Fowls.		Stock in banks and other corporations, value.	Stock in public funds and bonds, value.	Factories and their machinery, value.	Total value.	Rate of tax per hundred.	Tax levied.	Total including dog tax.
	No.	Value.	No.	Value.							
104	\$1,040.00	17	\$45.00	.....	\$280,500.00	\$19,900.00	\$6,008,450.00	\$24,297,740.00	\$1.91	\$462,057.17	462,763.00
115	932.00	12	30.00	.....	290,100.00	19,900.00	6,432,576.00	24,872,492.00	1.78	442,730.76	443,541.76
85	572.00	14	42.00	\$226.00	301,700.00	4,400.00	6,649,000.00	25,932,041.00	1.95	505,679.17	506,465.17
12	120.00	13	38.00	52.00	317,600.00	5,600.00	6,667,906.00	27,439,742.00	1.85	507,640.08	507,640.68
73	820.00	40	80.00	316.00	230,000.00	22,100.00	6,762,050.00	28,391,710.00	1.78	505,372.44	505,372.44
52	524.00	29	62.00	174.00	263,166.00	1,400.00	6,774,950.00	28,861,122.00	1.74	502,183.02	502,183.02
26	260.00	43	90.00	.....	249,104.00	2,000.00	6,755,100.00	29,443,668.00	1.86	547,651.50	547,651.50
45	470.00	33	56.00	.....	233,261.00	.....	7,068,650.00	30,486,946.00	2.08	634,127.80	634,127.80
69	490.00	43	64.00	610.00	250,334.00	.....	7,090,300.00	30,988,488.00	1.95	604,280.57	.....
45	418.00	11	24.00	756.00	222,460.00	.....	6,294,181.00	31,491,784.00	1.95	614,096.93	.....
35	354.00	7	14.00	904.00	213,344.00	.....	6,464,586.00	32,706,794.00	1.90	624,428.47	.....
12	92.00	6	18.00	1,200.00	223,780.00	.....	6,924,919.00	33,041,120.00	1.98	654,214.00	.....
.....	.....	8	24.00	1,400.00	227,982.00	.....	6,399,956.00	33,044,334.00	2.25	743,497.53	.....
7	100.00	.....	.....	832.00	210,272.00	.....	6,194,496.00	32,819,850.00	2.10	689,217.79	.....

Assessors' Oath.

We, the Assessors of the city of Manchester, do solemnly swear that in making the invoice for the purpose of assessing the foregoing taxes, we appraise all taxable property at its full value, and as we would appraise the same in payment of a just debt due from a solvent debtor. *So help us God.*

Valuation and Taxes.

The amount of taxes assessed on the polls and on the real and personal estate, within the city of Manchester, N. H., for the year 1903, was as follows:

	Valuation.	Rate.	Tax.
Real estate	\$26,331,696	\$21.00	\$552,965.62
Personal property	5,049,754	21.00	106,044.83
	<u>\$31,381,450</u>		<u>\$659,010.45</u>
Number of polls, 14,384	1,438,400	21.00	30,206.40
	<u>\$32,819,850</u>		<u>\$689,216.85</u>
Overlay .....			.94
Total tax levied			<u>\$689,217.79</u>

The share distributed to Manchester of the amount of tax assessed, as per returns made by the corporations to state treasurer:

On railroads	\$43,600.74
On savings banks	60,232.30
On insurance companies	3,000.75
On literary fund	3,257.98
Grand tax total	<u>\$799,309.56</u>

For further information in relation to taxes collected by the state, see State Treasurer's report.

TABLE OF TAXES DUE AND UNCOLLECTED.

YEAR.	Due January 1, 1903, assessed in 1903.	Discounts and abatements, 1903.	Collected in 1903.	Due December 31, 1903.
Taxes of 1885.....	\$1,205.71	.....	.....	\$1,205.71
“ of 1886.....	1,264.85	.....	.....	1,264.85
“ of 1887.....	1,163.94	.....	.....	1,163.94
“ of 1888.....	1,580.13	.....	.....	1,580.13
“ of 1889.....	1,395.13	.....	.....	1,395.13
“ of 1890.....	1,687.08	.....	.....	1,687.08
“ of 1891.....	1,936.63	.....	.....	1,966.63
“ of 1892.....	2,582.12	.....	.....	2,582.12
“ of 1893.....	4,095.13	.....	.....	4,095.13
“ of 1894.....	3,514.05	.....	.....	3,514.05
“ of 1895.....	5,004.92	.....	.....	5,004.92
“ of 1896.....	4,997.58	.....	.....	4,997.58
“ of 1897.....	5,301.07	.....	\$4.16	5,296.91
“ of 1898.....	5,642.86	.....	7.80	5,635.06
“ of 1899.....	5,776.96	.....	86.27	5,690.69
“ of 1900.....	5,197.61	.....	34.20	5,163.41
“ of 1901.....	6,368.04	.....	239.00	6,129.04
“ of 1902.....	{ 886.71 } { 92,084.90 }	383.76	63,910.36	28,677.49
“ of 1903.....	689,217.79	731.68	614,622.83	73,863.28
	\$840,933.21	\$1,115.44	\$678,904.62	\$160,913.15

TAX VALUATIONS, ETC., FROM 1890 TO 1903, INCLUSIVE.

YEAR.	Valuation.	Taxes.	No. polls.	Poll tax.	Valuation of poll.
1890.....	\$24,207,740	\$462,869.17	9,723	\$1.91	\$100
1891.....	24,872,492	443,541.76	10,367	1.78	100
1892.....	25,932,044	506,465.17	10,673	1.95	100
1893.....	27,439,742	507,640.68	11,835	1.85	100
1894.....	28,391,710	505,372.44	12,103	1.78	100
1895.....	28,861,122	502,183.02	12,244	1.74	100
1896.....	29,443,668	547,651.50	12,583	1.86	100
1897.....	30,486,946	634,127.80	12,921	2.08	100
1898.....	30,988,488	604,280.57	12,808	1.95	100
1899.....	31,491,784	614,096.93	13,137	1.95	100
1900.....	32,706,794	621,428.47	13,759	1.90	100
1901.....	33,041,112	654,214.00	13,976	1.98	100
1902.....	33,034,334	743,497.53	14,079	2.25	100
1903.....	32,819,850	689,217.79	14,384	2.10	100

Statement of Account of George E. Morrill, Tax Collector for the City of Manchester, N. H., June 1, 1903.

	Amount outstanding June 1, 1902.	Collected.	Balance outstanding June 1, 1903.
Tax list, 1885	\$1,205.71		\$1,205.71
1886	1,264.85		1,264.85
1887	1,163.94		1,163.94
1888	1,580.13		1,580.13
1889	1,395.13		1,395.13
1890	1,687.08		1,687.08
1891	1,966.63		1,966.63
1892	2,582.12		2,582.12
1893	4,095.13		4,095.13
1894	3,514.05		3,514.05
1895	5,004.92		5,004.92
1896	4,997.58		4,997.58
1897	5,301.07	\$4.16	5,296.91
1898	5,642.86	7.80	5,635.06
1899	5,776.96	86.27	5,690.69
1900	5,197.61	34.20	5,163.41
1901	6,368.04	239.00	6,129.04
Amount collected		\$371.43	
Credit by cash, as per treasurer's receipt No. 109		\$371.43	

Interest collected	\$1,958.26
Credit by cash, as per treasurer's receipt No. 110	1,958.26
	<u> </u>
Cost collected	\$1,709.00
Credit by cash, as per treasurer's receipt No. 111	1,709.00
	<u> </u>

1902.

DR.

June 1. To warrant resident list	\$742,006.72	
' warrant non-resident list	1,642.56	
' voluntary list	734.96	
	<u> </u>	\$744,384.24
		<u> </u>

1902, 1903.

CR.

By cash paid treasurer, per vouchers Nos. 84, 91, 107, 120, 124, 135, 138, 185 in year 1902; receipts Nos. 24, 34, 71, 112, 106 in year 1903	\$714,123.09	
By abatements, vouchers Nos. 153, 176 in 1902, and 105 in 1903	1,583.66	
By unpaid taxes, June 1, 1903	28,677.49	
	<u> </u>	\$744,384.24
		<u> </u>

MANCHESTER, N. H., August 1, 1903.

I hereby certify that I have examined the account of George E. Morrill, tax collector of said Manchester, and find the same correct, as above stated.

JAMES E. DODGE.

*City Auditor.***1893 List.**

DR.

1903.	
Jan. 1. Balance due on settlement of 1893 list	\$4,004.48

CR.

Jan. 14. By cash paid treasurer per voucher No. 4.....	\$232.06
Due on 1893 list	\$3,772.42
	<u> </u>
	<u> </u>

Some Laws and Decisions Relating to Exemptions from Taxation.

CONSTITUTION OF NEW HAMPSHIRE, ARTICLE 82, PAGE 38, PUBLIC STATUTES.

ENCOURAGEMENT OF LITERATURE, ETC.

ART. 82. "Knowledge and learning generally diffused through a community being essential to the preservation of a free government,

and spreading the opportunities and advantages of education through the various parts of the country, being highly conducive to promote this end, it shall be the duty of legislators and magistrates, in all future periods of this government, to cherish the interests of literature and the sciences, and all seminaries and public schools; to encourage private and public institutions, rewards, and immunities for the promotion of agriculture, arts, sciences, commerce, trades, manufactures, and natural history of the country; to countenance and inculcate the principles of humanity and general benevolence, public and private charity; industry and economy, honesty and punctuality, sincerity, sobriety, and all social affections and generous sentiments among the people; *provided, nevertheless*, that no money raised by taxation shall ever be granted or applied for the use of schools or institutions of any religious sect or denomination."

PUBLIC STATUTES, CHAPTER 55.

SECT. 2. "Real estate, whether improved or unimproved, and whether owned by residents or others, is liable to be taxed, except houses of public worship, twenty-five hundred dollars of the value of parsonages owned by religious societies and occupied by their pastors, school-houses, seminaries of learning, real estate of the United States, state, or town used for public purposes, and almshouses on county farms.

SECT. 11. "Towns may by vote exempt from taxation for a term not exceeding ten years any manufacturing establishment proposed to be erected or put in operation therein, and the capital to be used in operating the same, unless such establishment has been previously exempted from taxation by some town.

OPINION OF THE SUPREME COURT.

58 N. H. Rep., page 623. "The exemption in each case is limited to ten years. A perpetual alienation of the whole power of taxation would be the destruction of government; and the dangerous tendency of legislation suspending any part of that power, for any period, is manifest. *P. Bank v. Billings*, 4 Pet. 514, 561. So long as the existing laws remain unrepealed, and the constitutional construction heretofore adopted remains unchanged, contracts hereafter made under these laws and that construction will be valid. If the legislature for any reason wish to prevent the making of any more such contracts, their object can be accomplished by a repeal of the laws authorizing them."

Hospitals, etc., are exempt from taxation in their respective charters as "being of the nature of a public charity," as follows:

Gale Home for Aged and Destitute Women, N. H. Laws of 1899, chapter 199.

Elliot Hospital, N. H. Laws of 1881, chapter 178.

Manchester Woman's Aid and Relief Society, organized in January, 1875, N. H. Laws, 1891, chapter 283.

Orphanage and Home for Old Ladies (Catholic) on Hanover street, N. H. Laws, 1883, chapter 56.

Schedule of Property used for Religious, Charitable and Educational Purposes, and Exempt from Taxation by Law, not including that owned by the city of Manchester.

Convent, Sisters Jesus Mary, French Catholic; East Spruce street, near Beech:		
Building	\$10,000.00	
13,000 square feet of land	2,600.00	
	<hr/>	\$12,600.00
Convent, Sisters of Mercy, Catholic; 415 Union street, corner Laurel:		
Building	\$30,000.00	
12,600 square feet of land	6,300.00	
	<hr/>	\$36,300.00
Mount St. Mary's Academy, Catholic; from convent lot east to Beech street.		
Building	\$25,000.00	
31,500 square feet of land	9,450.00	
	<hr/>	\$34,450.00
Lot south side of Laurel street, corner of Union street, Catholic; McDonald school:		
Building	\$35,000.00	
10,800 square feet of land	5,000.00	
	<hr/>	\$40,000.00
Hospital of the Sacred Heart and Old Ladies' Home, Catholic; Amherst and Hanover streets:		
Building	\$14,000.00	
40,500 square feet of land	30,375.00	
	<hr/>	\$44,375.00
St. Patrick's Orphan Asylums, Catholic; 184 Hanover street:		
Building	\$47,000.00	
40,500 square feet land	40,500.00	
	<hr/>	\$87,500.00
St. Joseph's High School, Catholic; Lowell street, corner of Birch:		
Building	\$12,000.00	
8,000 square feet of land	8,000.00	
	<hr/>	\$20,000.00
Union-street school, Catholic; corner of Union and Laurel streets:		
Building	\$4,000.00	
5,000 square feet of land	2,500.00	
	<hr/>	\$6,500.00
St. Agnes' school, Catholic; corner Cedar and Pine streets:		
Building	\$12,000.00	
20,000 square feet of land	3,200.00	
	<hr/>	\$15,200.00

St. Joseph's school for girls, Catholic; corner Pine and Lowell streets:		
Building	\$10,000.00	
Land included in cathedral lot.	_____	\$10,000.00
Convent of Holy Angels, French Catholic; Beauport street, corner Wayne, West Manchester:		
Building	\$15,000.00	
22,500 square feet of land	4,500.00	\$19,500.00
St. George's school, French Catholic; corner Pine and Orange streets:		
Building	\$30,000.00	
10,000 square feet of land	5,000.00	\$35,000.00
Monastery of the Precious Blood; 555 Union street:		
Building	\$2,500.00	
6,750 square feet of land	2,025.00	\$4,525.00
Orphanage school, Beauport, Wayne, and Putnam streets; French Catholic:		
Building	\$25,000.00	
30,000 square feet of land	6,000.00	\$31,000.00
St. Augustine's academy, French Catholic; corner Beech and Spruce streets:		
Building	\$8,000.00	
15,000 square feet of land	4,500.00	\$12,500.00
St. Marie's parochial school, French Catholic; corner Wayne and Cartier streets:		
Building	\$12,000.00	
25,000 square feet of land	2,000.00	\$14,000.00
Residence priest St. Augustine's church, French Catholic; 383 Beech street:		
Building	\$6,000.00	
7,500 square feet of land	1,875.00	\$2,500.00
	7,875.00	
Orphan Children's school, parish of St. Augustine; 251, 253 Lake avenue:		
Building	\$12,000.00	
10,000 square feet of land	5,000.00	\$17,000.00
Holy Rosary school; 30 Cedar street:		
Building	\$8,750.00	
2,500 square feet of land	1,250.00	\$10,000.00

Residence priest St. Anne's church, Catholic; 231 Merrimack street:		
Building	\$5,000.00	
8,820 square feet of land	2,646.00	
	<hr/>	\$2,500.00
		\$7,646.00
Residence of Catholic bishop; 145 Lowell street:		
Building	\$40,000.00	
24,000 square feet of land	12,000.00	
	<hr/>	\$2,500.00
		\$52,000.00
Residence priest St. George's church, French Catholic; Orange street, corner Pine:		
Building	\$2,500.00	
10,000 square feet of land	4,000.00	
	<hr/>	\$2,500.00
		\$6,500.00
Residence priest St. Mary's church, French Catholic; 376 Beauport street, West Manchester:		
Building	\$2,500.00	
5,000 square feet of land	1,000.00	
	<hr/>	\$2,500.00
		\$3,500.00
St. Anne's church, Catholic; Union street, corner Merrimack:		
Building	\$30,000.00	
10,180 square feet of land	5,090.00	
	<hr/>	\$35,090.00
St. Augustine's church, French Catholic; Beech street, corner East Spruce:		
Building	\$28,000.00	
13,000 square feet of land	3,250.00	
	<hr/>	\$31,250.00
St. Joseph's cathedral and chapel, Catholic; Pine street, corner Lowell:		
Building	\$70,000.00	
40,000 square feet of land	30,375.00	
	<hr/>	\$100,375.00
St. Marie's church, French Catholic; Beauport street, corner Wayne, West Manchester:		
Building	\$25,000.00	
70,000 square feet of land	14,000.00	
	<hr/>	\$39,000.00
St. Raphael's church and school, German Catholic; Third street, corner Ferry, West Manchester:		
Building	\$35,000.00	
8,000 square feet of land	3,400.00	
	<hr/>	\$38,400.00

St. George's church, French Catholic; Pine street, corner Orange:		
Building	\$75,000.00	
18,690 square feet of land	7,614.00	
	<hr/>	\$82,614.00
St. Patrick's church and school, Catholic; Kelley street, Cartier street, and Coolidge avenue:		
School building	\$20,000.00	
56,281 square feet of land	4,502.00	
	<hr/>	\$24,502.00
St. Antoine de Padoue church, Catholic; 260 Belmont street.		
Building	\$4,000.00	
	<hr/>	\$4,000.00
Residence priest St. Antoine de Padoue's church, Catholic; 258 Belmont street:		
Building	\$5,500.00	
Land	4,000.00	
	<hr/>	\$2,500.00
		\$9,500.00
St. Hedwidge church, Polish Catholic; Merrimack, corner Pine street:		
Building	\$3,000.00	
Land	6,000.00	
	<hr/>	\$9,000.00
Residence priest St. Hedwidge church, same lot:		
Building	\$4,000.00	
	<hr/>	\$2,500.00
First Baptist church; Union street, corner Concord:		
Building	\$28,000.00	
11,250 square feet of land	6,750.00	
	<hr/>	\$34,750.00
First Freewill Baptist church; Merrimack street, corner Chestnut:		
Building	\$12,400.00	
12,600 square feet of land	12,600.00	
	<hr/>	\$25,000.00
Second Baptist church; Merrimack street, near Pine:		
Building	\$9,000.00	
9,450 square feet of land	3,780.00	
	<hr/>	\$12,780.00
People's Baptist church; Chestnut street, corner Concord:		
Building	\$8,000.00	
3,200 square feet of land	2,000.00	
	<hr/>	\$10,000.00
First Congregational church; Hanover street, corner Union:		
Building	\$30,000.00	
43,200 square feet of land	34,560.00	
	<hr/>	\$64,560.00

Second Congregational church; Market street, corner Franklin:		
Building	\$25,000.00	
19,000 square feet of land	19,000.00	
	<hr/>	\$44,000.00
Third Congregational church; South Main street, corner Milford, West Manchester:		
Building	\$8,000.00	
23,000 square feet of land	3,000.00	
	<hr/>	\$11,000.00
First M. E. church; Valley street, corner Jewett:		
Building	\$8,000.00	
11,400 square feet of land	1,000.00	
	<hr/>	\$9,000.00
St. Paul's M. E. church; Union street, corner Amherst:		
Building	\$25,000.00	
10,010 square feet of land	6,000.00	
	<hr/>	\$31,000.00
Trinity M. E. church; School street:		
Building	\$2,000.00	
12,176 square feet of land	3,000.00	
	<hr/>	\$5,000.00
St. James M. E. church; Pennacook street, corner Pine:		
Building	\$9,000.00	
11,000 square feet of land	2,200.00	
	<hr/>	\$11,200.00
Grace church, Episcopal; Lowell street, corner Pine:		
Building	\$20,000.00	
9,200 square feet of land	6,975.00	
	<hr/>	\$26,975.00
First Unitarian church, Concord street, corner Beech:		
Building	\$24,000.00	
13,500 square feet of land	6,000.00	
	<hr/>	\$30,000.00
First Universalist church; Lowell street, near Elm:		
Building	\$17,000.00	
10,000 square feet of land	15,000.00	
	<hr/>	\$32,000.00
Christian church, Protestant; Hall street, corner Merrimack:		
Building	\$9,000.00	
Land	1,000.00	
	<hr/>	\$10,000.00
First Presbyterian church, German; Second street, corner Bath, West Manchester:		
Building	\$3,000.00	
10,000 square feet of land	2,500.00	
	<hr/>	\$5,500.00

Swedish Lutheran church, Protestant; Sagamore, corner Pine:		
Building	\$7,500.00	
10,950 square feet of land	2,000.00	
	<hr/>	\$9,500.00
Swedish Evangelical Mission; Pine street, corner Orange.		
Building	\$6,500.00	
Land	4,100.00	
	<hr/>	\$10,600.00
Swedish Baptist church; Arlington street, near Maple:		
Building	\$5,000.00	
4,432 square feet of land	1,100.00	
	<hr/>	\$6,100.00
Second Advent church; Amherst street, between Pine and Union:		
Building	\$5,100.00	
4,500 square feet of land	3,375.00	
	<hr/>	\$8,475.00
City Mission chapel, Protestant; Merrimack street, corner Beech:		
Building	\$7,000.00	
12,600 square feet of land	6,000.00	
	<hr/>	\$13,000.00
Westminster Presbyterian Church; Brook street, corner Hazel:		
Building	\$15,000.00	
10,600 square feet of land	2,500.00	
	<hr/>	\$17,500.00
South Manchester Union chapel, Protestant; Elm street, south:		
Building	\$2,500.00	
10,747 square feet of land	1,000.00	
	<hr/>	\$3,500.00
First Church of Christ, Scientist; Harrison street, corner Albert:		
Building	\$14,000.00	
Land	5,000.00	
	<hr/>	\$19,000.00
Episcopal Mission church; North Main street, corner School, West Manchester:		
Building	\$3,500.00	
19,412 square feet of land	4,000.00	
	<hr/>	\$7,500.00
Residence pastor St. Paul's M. E. church; Union street, near Amherst:		
Building	\$3,000.00	
	<hr/>	\$3,500.00

Residence pastor First Congregational church; 590 Beech street, near Bridge:		
Building	\$5,000.00	
8,100 square feet of land	2,400.00	
	<hr/>	\$2,500.00
	\$7,400.00	
Residence pastor Grace Episcopal church; corner of Harrison and Union streets:		
Building	\$6,000.00	
15,000 square feet of land	3,750.00	
	<hr/>	\$2,500.00
	\$9,750.00	
German School Society; Third, Bath and Ferry streets:		
Building	\$4,500.00	
10,187 square feet of land	2,500.00	
	<hr/>	\$7,000.00
Elliot Hospital, Protestant; East Manchester:		
Building	\$23,000.00	
Land	7,000.00	
	<hr/>	\$30,000.00
Elliot Hospital lot; Hanover street, corner Chestnut:		
Building	\$3,000.00	
Land	13,000.00	
	<hr/>	\$16,000.00
Elliot Hospital:		
Land and buildings, Main street	\$4,000.00	
Land and buildings, Quincy street	2,500.00	
	<hr/>	\$6,500.00
Women's Aid Home; Pearl street, corner Beech:		
Building	\$15,000.00	
57,530 square feet of land	10,000.00	
	<hr/>	\$25,000.00
Women's Aid Home; Bridge street, corner Chestnut:		
Buildings	\$9,000.00	
6,037.5 square feet of land	3,000.00	
	<hr/>	\$12,000.00
Manchester Children's Home; Webster street:		
Building	\$20,000.00	
55,000 square feet of land	2,500.00	
	<hr/>	\$22,500.00
Residence pastor Swedish Lutheran church; Sagamore street, corner Pine:		
Building	\$3,000.00	
10,200 square feet of land	1,020.00	
	<hr/>	\$2,500.00
	\$4,020.00	
Gale Home:		
One half Martin's block, Elm street	\$25,000.00	
Land and building, Pearl street, corner Ash	25,000.00	
	<hr/>	\$50,000.00

Masonic Home, Beech street.

Building	\$17,000.00	
56,700 square feet of land	7,500.00	
	<hr/>	\$24,500.00
One-half land and buildings, 193 Pearl street	\$1,750.00	
One-half land and buildings, 266 Pearl street	900.00	
One-half land and buildings, 270 Pearl street	900.00	
One-half land and buildings, 274 Pearl street	900.00	
One-half five acres of land on North Union street	325.00	
	<hr/>	\$4,775.00

EXEMPT FROM TAXATION.

Church property, Catholic	\$364,231.00	
Convent property, Catholic	72,925.00	
Parochial residences, Catholic	17,500.00	
Parochial schools, Catholic	245,650.00	
Hospitals and other charitable institutions.....	131,875.00	
	<hr/>	\$832,181.00
Church property, Protestant	\$457,940.00	
Parochial residences, Protestant	10,000.00	
Private school property, Protestant	7,000.00	
Hospitals and other charitable institutions.....	191,275.00	
	<hr/>	\$666,215.00
Total		\$1,498,396.00

TAXABLE.

Land and Buildings, Catholic	\$73,521.00	
Land and Buildings, Protestant	14,170.00	
	<hr/>	\$87,691.00
Total exempt and taxable		\$1,586,087.00

STATEMENT IN RELATION TO THE BONDED DEBT OF THE CITY OF MANCHESTER, N. H.

Date of issue.	Description.	Number.	Denomina- tion.	Amount.	Total.	Date when the principal is pay- able.	INTEREST.		
							Rate Per ct.	When payable.	Where payable.
Dec. 16, 1885	Water bonds.	50	\$1,000	\$50,000	\$50,000	December 16, 1915	4	Semi-annual	At Suffolk Bank, Boston, Mass.
Oct. 1, 1894	"	50	1,000	50,000	50,000	October 1, 1914	4	"	"
Nov. 1, 1893	"	100	1,000	100,000	100,000	November, 1, 1913	4	1-2	"
Aug. 1, 1893	"	100	1,000	100,000	100,000	August 1, 1913	5	"	"
Jan. 1, 1892	"	100	1,000	100,000	100,000	January 1, 1912	4	"	"
Jan. 1, 1897 { Refunded. }	"	100	1,000	100,000	100,000	1, 1917	4	"	"
July 1, 1895 } Refunded. }	"	100	1,000	100,000	100,000	July 1, 1910	4	"	"
July 1, 1890 } Refunded. }	"	100	1,000	100,000	100,000	1, 1915	4	"	"
Jan. 1, 1887 } Refunded. }	"	100	1,000	100,000	100,000	January 1, 1907	4	"	"
July 1, 1881	Bridge bonds.	15	100	1,500	.....	July	4	"	At Treas'r Office, Manch'r, N. H.
1, 1881	"	33	500	19,500	.....	1, 1911	4	"	"
1, 1881	"	39	1,000	39,000	.....	1, 1911	4	"	"
				60,000	.....				"
April 1, 1885	City bonds.	50	1,000	\$50,000	\$50,000	April	4	"	At Suffolk Bank, Boston, Mass.
1, 1885	"	50	1,000	50,000	50,000	1, 1907	4	"	"
1, 1885	"	50	1,000	50,000	50,000	1, 1909	4	"	"

STATEMENT IN RELATION TO THE BONDED DEBT OF THE CITY OF MANCHESTER, N. H.—Continued.

Date of issue.	Description.	Number.	Denomina- tion.	Amount.	Total.	Date when the principal is pay- able.	INTEREST.		
							Rate Per ct.	When payable.	Where payable.
April 1, 1885	City bonds.	5	\$1,000	\$5,000	\$5,000	April 1, 1911	4	Semi-annual	At Suffolk Bank, Boston, Mass.
July 1, 1883	Improvement bonds.	100	1,000	100,000	100,000	January 1, 1913	4	"	"
June 1, 1894	"	100	1,000	100,000	100,000	April 1, 1914	4	"	"
April 1, 1895	"	100	1,000	100,000	100,000	" 1, 1915	4	"	"
April 1, 1896	"	100	1,000	100,000	100,000	" 1, 1916	4	"	"
July 1, 1895	School bonds.	40	1,000	40,000	40,000	{ \$10,000 July 1, 1904	4	"	"
July 1, 1896	"	80	1,000	80,000	80,000	{ and \$10,000 annu- ally thereafter. }			
July 1, 1896	"	40	1,000	40,000	40,000	July 1, 1916	4	"	"
April 1, 1899	City bonds.	100	1,000	100,000	100,000	April 1, 1919	3 1-2	"	"
July 1, 1902	Municipal bonds.	80	1,000	80,000	80,000	July 1, 1922	3 1-2	"	"
					<u>\$1,755,000</u>				

REMARKS.—The city guarantees the perpetual care of lots in the cemeteries of the city to parties who pay \$100 and upward. There are \$50,000 in cemetery bonds, so called, not negotiable, in the hands of the city treasurer, which are not included in the \$1,755,000.

Total amount of bonded debt, including cemetery bonds	\$1,805,000.00
Net indebtedness for water purposes	800,000.00

Net debt after deducting water debt	\$1,005,000.00
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As shown in the assessors' books for the year 1903:

The assessed value of personal property, including poll tax	\$6,488,154.00
The assessed value of real estate	26,331,696.00

Total value for taxation	\$32,819,850.00
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Tax rate, 2.10 per cent on a hundred.

Per cent of net indebtedness (excluding debt for water purposes) to assessed valuation	3.062
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Per cent of net indebtedness (including debt for water purposes) to assessed valuation	5.499
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Population, census of 1900	56,987
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No issue of bonds has ever been contested.

The interest on the debt has always been promptly paid at maturity.

None of the bonds are stated specifically as being payable in gold.

None of the bonds can be called for redemption.

A sinking fund was established in 1893.

Total amount of sinking fund December 31, 1903, \$375,376.98.

The power of the city to borrow money in relation to the water-works is limited to the sum of \$600,000 by section 6, chapter 70, New Hampshire Laws of 1874, entitled "An act to enable the city of Manchester to establish water-works," except as further extended an amount of \$300,000 by laws of 1891, chapter 26; and \$200,000 by laws of 1895, chapter 172.

SUMMARY OF CITY DEBT.

Amount of bonded debt January 1, 1903	\$1,815,000.00
Accrued interest on bonded debt, December 31, 1903	26,905.00

	\$1,841,905.00
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Amount of bonded and temporary debt paid in 1903	10,000.00
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Total indebtedness December 31, 1903	\$1,831,905.00
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AVAILABLE ASSETS.

Net cash on hand December 31, 1903	\$93,836.00
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Taxes uncollected, list of 1903	73,863.28
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Stock of Suncook Valley Railroad, estimated value	14,500.00
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Sinking fund December 31, 1903	375,376.98
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	\$557,576.26
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BONDED DEBT.

Total indebtedness December 31, 1903	\$1,831,905.00
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Total available assets December 31, 1903	557,576.00
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Total net indebtedness December 31, 1903	\$1,274,329.00
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STATEMENT OF THE ANNUAL INTEREST CHARGE ON THE BONDED DEBT.

Year.	Six per cent water bonds.	Four per cent water bonds.	Four and a half and five per cent water bonds.	Five per cent cemetery bonds.	Six per cent to fund debt.	Four per cent to build McGregor bridge.	Four per cent to fund debt.	Four per cent improvement bonds and 3 1/2 per cent city bonds.	Four per cent school bonds and Granite bridge.	Total of annual interest.
1890...	\$27,000	\$6,000	.....	\$623.75	\$7,000	\$2,400	\$6,200	.....	.....	\$49,423.75
1891....	24,000	8,000	.....	813.92	7,200	2,400	6,200	.....	.....	48,613.92
1892....	18,000	12,000	....	1,009.00	7,200	2,400	6,200	.....	.....	46,800.00
1893....	18,000	12,000	.....	1,041.66	7,200	2,400	6,200	.....	.....	46,841.66
1894....	18,000	14,000	\$9,500	1,550.00	.....	2,400	6,200	\$8,000	.....	59,650.00
1895...	18,000	14,600	9,500	1,812.50	.....	2,400	6,200	12,000	\$4,800	68,712.50
1896....	12,000	20,000	9,500	2,112.50	.....	2,400	6,200	16,000	14,400	82,612.50
1897....	9,000	22,000	9,500	2,500.00	.....	2,400	6,200	16,000	13,000	80,600.00
1898....	6,000	24,000	9,500	2,500.00	.....	2,400	6,200	16,000	13,000	79,000.00
1899....	6,000	24,000	9,500	2,500.00	.....	2,400	6,200	19,500	11,400	81,500.00
1900...	6,000	24,000	9,500	2,500.00	.....	2,400	6,200	19,500	10,520	80,620.00
1901...	6,000	24,000	9,500	2,500.00	.....	2,400	6,200	19,500	8,800	78,900.00
1902...	3,000	24,000	9,500	2,500.00	.....	2,400	6,200	20,850	8,200	76,650.00
1903....	.....	24,000	9,500	2,500.00	.....	2,400	6,200	22,300	6,400	73,300.00

PUBLIC BUILDINGS OCCUPIED IN PART BY PRIVATE PARTIES.
BATTERY BUILDING.

Annual rent.	Location.	Occupants.	Rooms.	Command.	Remarks.
Free.....	Manchester street...	First Light Battery.	2 rooms....	First N. H. Light Battery.	Battery occupies first and second floors and basement.
"	" ..	Emmet Guards	1 room	Emmet Guards	Guards occupy third floor. Ward meetings are held in battery room on second floor.

WARD FIVE WARDROOM.

Annual rent.	Location.	Occupants.	Rooms.	Command.	Remarks.
Free	Lake Avenue	Sheridan Guards ...	1 room	Sheridan Guards	Ward meetings held in building.

BLODGET SCHOOLHOUSE.

Annual rent.	Location.	Occupants.	Rooms.	Remarks.
Free.....	Blodget street.....	Thornton Naval Veterans.....	1 room	Ward meetings held in building.

Valuation of Real Estate Owned by the City.

High school, Beech street, corner Lowell:		
Building	\$170,000.00	
59,400 square feet of land	17,820.00	
	<hr/>	\$187,820.00
Franklin-street school, Franklin street, corner Pleasant:		
Building	\$16,000.00	
19,200 square feet of land	19,200.00	
	<hr/>	\$35,200.00
Spring-street school, Spring street:		
Building	\$13,000.00	
13,600 square feet of land	13,600.00	
	<hr/>	\$26,600.00
Lincoln-street school, Lincoln street, corner Merrimack:		
Building	\$45,000.00	
40,000 square feet of land	8,000.00	
	<hr/>	\$53,000.00
Ash-street school, Ash street, corner Bridge:		
Building	\$50,000.00	
57,537 square feet of land	17,262.00	
	<hr/>	\$67,262.00
Main-street school, North Main street, West Manchester:		
Building	\$6,000.00	
40,293.4 square feet of land	10,073.00	
	<hr/>	\$16,073.00
Webster-street school, Webster street:		
Building	\$39,000.00	
55,714¾ square feet of land	13,928.00	
	<hr/>	\$52,928.00
Blodget-street school, Blodget street:		
Building	\$1,500.00	
9,000 square feet of land	3,600.00	
	<hr/>	\$5,100.00
Lowell-street school, Lowell street, corner Chestnut:		
Building	\$1,000.00	
9,000 square feet of land	9,000.00	
	<hr/>	\$10,000.00
Merrimack-street school, Merrimack street, corner Union:		
Building	\$15,000.00	
12,600 square feet of land	6,300.00	
	<hr/>	\$21,300.00
Parker school, South Main street, West Manchester:		
Building	\$20,000.00	
13,650 square feet of land	2,047.00	
	<hr/>	\$22,047.00
Bakersville school, Elm street, south:		
Building	\$10,000.00	
24,184 square feet of land	3,628.00	
	<hr/>	\$13,628.00

Stark District school, River road, north:		
Building	\$1,000.00	
43,560 square feet of land	100.00	
	<hr/>	\$1,100.00
Amoskeag school, Front street, Amoskeag:		
Building	\$8,000.00	
6,000 square feet of land	1,000.00	
	<hr/>	\$9,000.00
Rimmon school, corner Amory and Dubuque streets:		
Building	\$17,400.00	
16,600 square feet of land	2,490.00	
	<hr/>	\$19,890.00
Goffe's Falls school, Goffe's Falls:		
Building	\$4,000.00	
47,916 square feet of land	250.00	
	<hr/>	\$4,250.00
Harvey District school, Nutt road:		
Building	\$2,000.00	
21,780 square feet of land	100.00	
	<hr/>	\$2,100.00
Webster Mills school, Webster Mills:		
Building	\$400.00	
5,445 square feet of land	100.00	
	<hr/>	\$500.00
Old Hallsville school, East Manchester:		
Building	\$500.00	
30,075 square feet of land	3,008.00	
	<hr/>	\$3,508.00
Youngsville school, Youngsville:		
Building	\$500.00	
51,228 square feet of land	100.00	
	<hr/>	\$600.00
Mosquito Pond school, Mosquito Pond:		
Building	\$400.00	
10,890 square feet of land	100.00	
	<hr/>	\$500.00
Pearl-street school:		
Building	\$18,700.00	
Land	3,200.00	
	<hr/>	\$21,900.00
Varney school, Bowman street, corner Mast, West Manchester:		
Building	\$43,750.00	
Land	6,700.00	
	<hr/>	\$50,450.00
New Hallsville school, Jewett street, corner Young, East Manchester:		
Building	\$29,800.00	
44,000 square feet of land	3,300.00	
	<hr/>	\$33,100.00

VALUATION OF REAL ESTATE OWNED BY THE CITY. 163

Straw school, Chestnut street, corner Harrison:		
Building	\$30,000.00	
32,400 square feet of land.....	16,200.00	
	<hr/>	\$46,200.00
New Wilson school, Wilson, Cedar, and Auburn streets:		
Building	\$30,000.00	
40,000 square feet of land	5,000.00	
	<hr/>	\$35,000.00
South Manchester school, Titus avenue:		
Building	\$12,000.00	
48,400 square feet of land	1,000.00	
	<hr/>	\$13,000.00
		<hr/>
		\$752,056.00

ENGINE-HOUSES.

Engine-house and stable, Central Station, Vine street:		
Building	\$31,800.00	
21,718.86 square feet of land	25,438.00	
	<hr/>	\$57,238.00
North Main-street engine-house, North Main street, West Manchester:		
Building	\$18,000.00	
11,819 square feet of land	2,955.00	
	<hr/>	\$20,955.00
Webster-street engine-house, Webster street, corner Chestnut:		
Building	\$12,000.00	
8,510 square feet of land	2,180.00	
	<hr/>	\$14,180.00
Merrimack engine-house, Lake avenue:		
Building	\$15,000.00	
10,000 square feet of land	3,000.00	
	<hr/>	\$18,000.00
Hosehouse and cottage, Maple street, corner East High:		
Building	\$3,000.00	
18,330 square feet of land	3,666.00	
	<hr/>	\$6,666.00
Engine-house and wardroom, ward 9, Rimmon and Amory streets, West Manchester:		
Building	\$22,755.00	
6,000 square feet of land	870.00	
	<hr/>	\$23,625.00
South Manchester Hosehouse:		
Building	\$4,200.00	
4,278 square feet of land	684.00	
	<hr/>	\$4,884.48
		<hr/>
		\$145,548.48

OTHER PUBLIC BUILDINGS AND LOTS.

City Library, Dean avenue, corner Franklin street:		
Building	\$35,000.00	
15,000 square feet of land	30,000.00	
	<hr/>	\$65,000.00
City Hall, Elm street, corner Market:		
Building	\$20,000.00	
100,000 square feet of land	150,000.00	
	<hr/>	\$170,000.00
City farm, Mammoth road:		
Building	\$5,000.00	
46.66 acres, west Mammoth road	70,000.00	
81.55 acres, east Mammoth road	65,240.00	
	<hr/>	\$140,240.00
Court house, Franklin street, corner West Merrimack:		
Building	\$20,000.00	
19,000 square feet of land	57,000.00	
	<hr/>	\$77,000.00
Battery building, Manchester street:		
Building	\$13,000.00	
3,400 square feet of land	5,100.00	
	<hr/>	\$18,100.00
Police station, Manchester street, corner Chestnut:		
Building	\$40,000.00	
7,500 square feet of land	15,000.00	
	<hr/>	\$55,000.00
Slayton Lot, Manchester street:		
Police patrol stable	\$4,000.00	
Building	300.00	
2,908 square feet of land	4,700.00	
	<hr/>	\$9,000.00
City stable and other buildings, Franklin street:		
Building	\$15,950.00	
44,656 square feet of land	89,312.00	
	<hr/>	\$105,262.00
Police station, Clinton street, West Manchester:		
Building	\$3,500.00	
3,790 square feet of land	1,000.00	
	<hr/>	\$4,500.00
Ward 5 wardroom, Lake avenue:		
Building	\$4,500.00	
Land	1,000.00	
	<hr/>	\$5,000.00
City stable, district No. 10		
		\$1,200.00
City scales, Franklin street:		
Building		\$300.00
Gravel lots, Goffstown:		
2 acres		\$400.00

REAL AND PERSONAL ESTATE OWNED BY THE CITY. 165

Gravel lot, Youngsville:	
1 acre	\$500.00
	<hr/>
	\$652,002.00

Personal Property Owned by the City.

Property in care city engineer	\$1,350.00
in care chief engineer fire department	115,874.50
in care street and park commission	32,724.42
in care superintendent of schools	37,049.00
in care of city messenger	3,000.00
in care city marshal and janitor	7,250.00
in care superintendent of city farm	12,544.87
in care trustees city library	30,000.00
in care superintendent of Pine Grove cemetery	248.23
in care superintendent of Valley cemetery	106.00
Stock in Suncook Valley Railroad, in care of city treasurer	50,000.00
Personal property in care city weigher	1,000.00
	<hr/>
	\$291,147.14
Uncollected taxes in 1903	\$73,863.28
Net cash in treasury, December 31, 1903	93,836.00
	<hr/>
	\$167,699.28

Other Real and Personal Estate Owned by the City.

Soldiers' monument	\$25,000.00
Permanent inclosure of commons	10,200.00
Amoskeag bridge over Merrimack river	25,000.00
Fountains and water-troughs on streets and commons ..	3,600.00
City tomb	10,000.00
McGregor bridge	90,000.00
Granite bridge	130,000.00
South Main-street bridge, over Piscataquog river	28,450.00
Second-street bridge, over Piscataquog river	52,036.00
Print-Works bridge, on Granite, over lower canal.....	5,000.00
Two bridges in highway district No. 9.....	2,000.00
One bridge at Goffe's Falls	3,500.00
Expended on construction of sewers	756,564.00
	<hr/>
	\$1,141,350.00

PARKS AND CEMETERIES.

Valley cemetery, 19.7 acres	\$200,000.00
Pine Grove cemetery, about 96 acres	46,700.00
Amoskeag cemetery, 1.23 acres	4,340.00
Stark park, 28 acres	9,000.00
Derryfield park, 76 acres	25,000.00
Concord common, 4.48 acres	200,000.00
Tremont common, 2.25 acres	40,000.00
Hanover common, 3 acres	100,000.00
Park common, 3.49 acres	60,000.00
Merrimack common, 5.89 acres	200,000.00
Wagner's park, 9.85 acres	12,000.00
Land on Piscataquog river	3,500.00
	<hr/>
	\$900,540.00

WATER-WORKS.

Real estate and personal property of water-works, at cost price	\$1,722,700.00
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RECAPITULATION.

Real estate owned by the city, schoolhouses	\$752,056.00
Real estate owned by the city	652,002.00
Real estate owned by city, engine-houses	145,548.48
Water-works at cost price	1,722,700.00
Personal property owned by the city	291,147.14
Uncollected taxes and cash	167,699.28
Other real and personal property	1,141,350.00
Parks and cemeteries	900,540.00
	<hr/>
	\$5,773,042.90

PROPERTY ACCOUNT.

Inventory of assets, December 31, 1903.....	\$5,773,042.90
Inventory of assets, December 31, 1902.....	5,666,927.59
	<hr/>
Gain in valuation	\$106,115.31

Auditor's Office.

City hall building. Open from 8 to 12 A. M., 1.30 to 5 P. M., 7 to 9 P. M., on Thursday.

In every bill presented to the city auditor for his approval, the following points will be considered and passed upon:

1. Is the subject matter of the bill under examination within the scope of the powers conferred by the legislature on the city government?

2. Is the bill certified by the party legally authorized to make the contract, or cause the expenditure to be made?

3. Has any appropriation been made to meet the expenditure, and is there a balance unexpended sufficient to pay this bill?

4. Are the number of articles in the bill, or the measurements, either of dimensions, quantities, or weights, correctly and fully stated, and is the proof of the delivery to the city of the whole amount charged sufficient?

5. Is the price charged a fair market price, or is it so largely in excess as to require the attention of the city councils to be called to the same?

6. Is the bill written in a fair legible hand, correctly cast, and on paper of sufficient length and width to admit of its proper backing and filing?

7. If the bill is in part payment of a contract, the date and the total amount of the contract, the amount already paid, the amount of the work not yet completed, and the per cent retained, if any, should be stated in the bill.

8. Any other inquiries in matters of law and fact which affect the question of indebtedness before the auditor.

9. Approval, rejection, or suspension for further information or correction as the circumstances of each case may require.

COURT DECISIONS, LEGAL POINTS AND RULES, RELATING TO THE APPROVAL OR DISAPPROVAL OF CLAIMS AGAINST THE CITY.

No bill or account shall be paid by the city treasurer until the auditor has approved it as correct.

Public trusts or powers devolved by law or charter on the city councils cannot be delegated to others. Dillon's Municipal Corporations, section 96, volume 1.

The executive powers of the city, except where vested in the mayor, shall be exercised by the mayor and aldermen. General Laws, chapter 46, section 14.

The mayor and aldermen have all the powers and authority of selectmen of towns unless it is otherwise provided by law, General Laws, chapter 46, section 14.

Joint standing committees have advisory powers only; they cannot legally be endowed with executive or legislature powers by ordinance or resolution of the city councils, as no by-laws or ordinance shall be repugnant to the constitution or laws of the state.

No member of either branch of the city councils can enter into any verbal or written contract to furnish supplies to or do any work for the city. Any firm of which a member is also a member of the city councils is included in this prohibition.

No city official, or department, or board of officials having legal power to expend money for the benefit of the city can purchase of or contract with themselves, with any one of the board, or with any firm with

which one of said officials is a member. Dillon's Municipal Corporations, volume 1, page 436, section 444.

Every bill against the city shall specify the particular appropriation to which the same should be charged, and the moneys paid will be charged to such appropriations only.

He who is intrusted with the business of others cannot be allowed to make such business a source of profit to himself.

All orders passed by the city councils authorizing a ministerial act to be performed by its agent or agents must be strictly construed, and the act to be done must be specifically stated.

The board of engineers have the authority of firewards. (General Laws, chapter 106, section 11.) They have no power conferred upon them by law or ordinance to purchase new apparatus of any kind.

The joint standing committee on fire department have advisory powers only.

The laws and ordinances require the city auditor to withhold his signature from all bills against any appropriation where the amount of the appropriation is expended, until the city council shall have provided the means of paying the same. Section 4, chapter 3 of the City Ordinances, and section 4, ordinances relating to the duties of the city auditor, approved January 7, 1890.

The power of towns to raise and appropriate money is derived solely from statutory provisions, which restrict the power to certain specified objects and other necessary charges.

Votes to raise or pay money for purposes other than those prescribed by statute are void, and towns cannot be compelled, and generally will not be permitted, to carry such votes into effect.

It is not left to the unrestricted and irresponsible discretion of towns to vote gifts or to select donees; their charity is a duty defined, commanded, enforced, and regulated, and the objects of it are designated by law.

A majority cannot dispose of the property of a minority in an unlimited manner. *Gore v. Epping*, 41 N. H. 539.

The following parties are authorized by law or ordinance to make expenditures within the scope of their powers, for their respective department: For fire department and fire alarm telegraph, the chief engineers, to be submitted monthly to the approval of the board of engineers; for police department, mayor and police commission; for police court, police judge; for water-works department, superintendent, subject to the rules of the board of commissioners and ordinances relating thereto; for city farm, superintendent; for overseers of the poor, each overseer, subject to the rules of the board of overseers, and their monthly review and approval; for schools, superintendent, or such person as the board of school committee may designate, bills to be approved by the board monthly; for streets, sewers, and other work under these departments, street and park commissioners; for city clerk's office, treasurer's office, tax collector's office, assessors' office, auditor's office,

incidental expenditures, city physician, city messenger, city solicitor, city engineer, mayor; for cemeteries, superintendents, subject to board of trustees (to consist of citizens not members of the city councils); for health department, board of health, subject to approval of mayor; city library, board of trustees or person designated by them. It may be stated as a general rule, that all subordinate officials are under the supervision and control of the mayor, subject to such limitations and restrictions as the board of aldermen, acting as a board, may require.

GAS LIGHTS, OIL LAMPS, AND ELEC-
TRIC LIGHTS.

GAS LIGHTS, OIL LAMPS, AND ELECTRIC LIGHTS.

Gas Lights in Use.

- 1 corner State and Grove.
- 2 Pleasant, between Franklin and Canal.
- 1 Franklin and Auburn.
- 1 Elm.
- 1 Elm, near Hutchinson's Foundry.
- 1 Elm.
- 1 Mechanic.
- 1 Hollis, corner Kidder court.
- 1 Bridge and Arkwright.
- 1 Bridge and Elm.
- 1 Orange and Clarke avenue.
- 1 Orange and Chestnut.
- 1 Chestnut and Blodget.
- 1 Blodget, near Elm.
- 1 West Salmon.
- 1 West Appleton.
- 1 Monroe.
- 1 Chestnut and Clarke.
- 1 Chestnut, near Carpenter.
- 1 Chestnut, near Appleton.
- 1 Beech and Orange.
- 1 Maple and Orange.
- 1 Maple, between Bridge and Lowell.
- 1 corner Walnut and Pearl.
- 1 Walnut, between Bridge and Lowell.
- 1 Ash, between Bridge and Lowell.
- 1 Maple and Pearl.
- 1 Arlington, near Swedish church.
- 1 Maple and East High.
- 1 Lowell, above Maple.
- 1 Dutton and Amherst.
- 1 Hanover, between Beech and Maple.
- 1 Hanover, near Lincoln.
- 1 Belmont and Amherst.
- 1 Belmont and Concord.
- 1 Belmont and East High.

- 1 Beacon and Lowell.
 - 1 Beacon and Concord.
 - 1 Beacon and Amherst.
 - 1 Belmont and Manchester.
 - 1 Belmont and Central.
 - 1 Massabesic and Taylor.
 - 1 Ainsworth avenue and Hayward.
 - 2 Jewett, between Young and Hayward.
 - 2 Union, near Auburn.
 - 1 Willow, near jail.
 - 2 Brown avenue.
 - 2 Hancock.
 - 1 Turner, near German hall.
 - 1 Milford and Bowman.
 - 1 Milford and Williams.
 - 1 A and B.
 - 1 George.
 - 1 Mast.
 - 1 Parker.
 - 1 Granite and Dover.
 - 1 Granite and Quincy.
 - 1 Quincy and Douglas.
 - 1 Douglas and West.
 - 1 Douglas.
 - 1 Douglas and Turner.
 - 1 Belmont and Hayward.
 - 1 Main.
 - 1 Prout avenue.
 - 1 Carroll.
 - 1 Waldo.
 - 1 Chestnut.
 - 1 Walnut and Prospect.
 - 1 Boynton and C.
- Total 74 gas lights.
-

Naphtha Lights in Use.

- 1 Candia road, corner Orchard avenue.
- 1 Mammoth road, corner Cilley road.
- 1 Mammoth road, corner Island Road.
- 1 Mammoth road, corner Island Pond.
- 1 Young road, near Taylor.
- 1 Taylor, between Young and Somerville.
- 1 Wilson, corner Clay.
- 1 Valley, east of Taylor.
- 1 Taylor, between Valley and Railroad.
- 1 Grove, near Railroad.

- 1 James Hall road, corner Hanover.
 - 1 Hanover, near Page.
 - 1 Hanover, east of Page.
 - 1 Hanover, corner Proctor road.
 - 1 Hanover, corner Candia road.
 - 1 Hanover, near Sherburne.
 - 1 Hanover, near Lake Shore road.
 - 1 Hanover, corner Lake Shore road.
 - 1 Hanover, near Lake pavilion.
 - 1 Lake Shore Road, south of railroad track.
 - 1 Lake Shore road, opposite Proctor road.
 - 1 Lake Shore road, on road to pumping station.
 - 2 Lake Shore road.
 - 1 Candia road, at railroad crossing. Proctor road.
 - 6 Candia road.
 - 1 Candia road, corner Page.
 - 1 Candia road, between Page and Cody.
 - 1 Candia road, corner Cody.
 - 1 Nutt road.
 - 1 Benton and Jones.
 - 4 Calef road.
 - 17 Goffe's Falls.
 - 1 Nelson and Hall.
 - 1 James Hall road.
 - 1 Lincoln and Valley.
 - 1 Maple and Valley.
 - 1 Haywood and Lincoln.
 - 1 Hanover, near Clough.
- Total, 63 lights.
-

Fifteen Welsbach Lights Located as Follows :

- 1 West end of Kidder court.
 - 1 corner of Jones and Nelson streets.
 - 1 on Lake Shore road, near the Luther Proctor house.
 - 1 on Calef road, in front of residence of Lizzie A. Burns.
 - 1 corner of Merrill and Nutt roads.
 - 1 corner of Mill and Harvey roads.
 - 1 corner of Nutt and Derry roads, beyond bridge over Cohas Brook.
 - 1 on Nutt road, opposite Mark Harvey's.
 - 1 on Nutt road, opposite Flanders and Marshall's.
 - 1 corner of Harvey and South roads.
 - 1 on Harvey road, on Dickey Hill.
 - 1 corner of Albert and Harrison streets.
 - 1 corner of River road and Thayer streets.
 - 1 on Chestnut street, between North and Webster streets.
 - 1 on Lake Shore road, near residence of J. H. Paige.
- Total, 15 Welsbach lights.

List of Electric Lights Used by the City of Manchester.

No.	1. A street, opposite No. 73,	arm.
	2. A and South Main,	"
	3. Adams and Cartier,	"
	4. Amherst and Elm,	"
	5. Amherst and Vine,	"
	6. Amherst and Chestnut,	"
	7. Amherst and Pine,	"
	8. Amherst, opposite Y. M. C. A. Building,	"
	9. Amherst and Union,	"
	10. Amherst and Beech,	"
	11. Amherst and Ash,	"
	12. Amherst and Maple,	"
	13. Amherst and Dutton,	"
	14. Amherst and Lincoln,	"
	15. Amherst and Ashland,	"
	16. Amherst and Hall,	"
	17. Amory and Morgan,	"
	18. Amory and Essex,	"
	19. Amory and Alsace,	"
	20. Amory, near Montgomery,	"
	21. Amory and Amory street extension,	"
	22. Amory and Rimmon,	pole.
	23. Amory and Dubuque,	"
	24. Amory and Beauport,	"
	25. Amory and Main,	"
	26. Amoskeag Bridge, west,	"
	27. Amoskeag Bridge, east,	"
	28. Amoskeag and Front,	"
	29. Appleton and Elm,	arm.
	30. Appleton and North Adams,	pole.
	31. Appleton and Union,	arm.
	32. Arlington and Russell,	"
	33. Arlington and Warren,	"
	34. Arlington and Ashland,	"
	35. Auburn and Elm,	"
	36. Auburn and Chestnut,	"
	37. Auburn and Pine,	"
	38. Auburn and Union,	pole.
	39. Auburn and Beech,	"
	40. Auburn and Maple,	"
	41. Auburn and Lincoln,	arm.
	42. Auburn and Wilson,	"
	43. Auburn and Canton,	"
	44. Auger avenue and Nutt road,	"
	45. Baker and Brown avenue,	"
	46. Baker and Elm,	"

47. Baker and Calef road,	arm.
48. Bath and Second,	pole.
49. Beech and Portsmouth railroad,	arm.
50. Beech and Lawrence railroad,	"
51. Bell and Wentworth,	"
52. Bismark and Sylvester,	pole.
53. Blaine and Main,	arm.
54. Blaine and Third,	"
55. Blaine and Second,	"
56. Blodget and Elm east back,	"
57. Blodget and Pine,	"
58. Blodget and Union,	"
59. Blodget and Walnut,	"
60. Blodget and Beech,	"
61. Blodget and Ash,	"
62. Blodget and Oak,	"
63. Blodget and Russell,	"
64. Bow and Bartlett,	"
65. Boynton street, opposite No. 135,	"
66. Bowman place and Tilton	"
67. Bowman street, opposite No. 172,	"
68. Bremer and Dubuque,	"
69. Bridge and McGregor,	"
70. Bridge and Canal,	"
71. Bridge and Elm,	"
72. Bridge and Birch,	"
73. Bridge and Chestnut,	"
74. Bridge and Pine,	"
75. Bridge and Union,	"
76. Bridge and Walnut,	"
77. Bridge and Beech,	"
78. Bridge and Ash,	"
79. Bridge and Maple,	"
80. Bridge and Nashua,	"
81. Bridge and Malvern,	"
82. Bridge and Linden,	"
83. Bridge and Hall,	"
84. Bridge and Belmont,	"
85. Bridge and Weston,	"
86. Bridge and Highlands,	"
87. Bridge and Mammoth road,	"
88. Brown avenue and Elm,	"
89. Brown avenue, opposite No. 445,	"
90. Brook and Elm,	"
91. Brook and Chestnut,	"
92. Brook and Pine,	"
93. Brook and Hazel,	pole.
94. Brook and Union,	arm.
95. Brook and Walnut,	"

96.	Brook and Beech,	arm.
97.	Brook and Maple,	pole.
98.	C and B,	"
99.	Campbell and Union,	arm.
100.	Candia road and Mammoth road,	"
101.	Carpenter and Elm,	"
102.	Carpenter and Chestnut,	"
103.	Carpenter and Union,	"
104.	Cedar and Canal,	"
105.	Cedar and Franklin,	pole.
106.	Cedar and Elm,	arm.
107.	Cedar and Chestnut,	"
108.	Cedar and Pine,	"
109.	Cedar and Union,	"
110.	Cedar and Beech,	"
111.	Cedar and Maple,	"
112.	Cedar and Lincoln,	"
113.	Central and Bedford,	"
114.	Central street, opposite No. 74,	pole.
115.	Central and Franklin,	arm.
116.	Central and Elm,	"
117.	Central and Chestnut,	"
118.	Central and Pine,	"
119.	Central and Union,	"
120.	Central and Beech,	"
121.	Central and Maple,	"
122.	Central and Lincoln,	"
123.	Central and Wilson,	"
124.	Central and Hall,	"
125.	Central street, opposite No. 536,	"
126.	Charles street,	"
127.	Charleston avenue and Carroll,	"
128.	Chestnut street, opposite No. 855,	"
129.	Clarke and River road,	"
130.	Clarke and Elm,	"
131.	Clarke and North Adams,	"
132.	Clarke and Union,	"
133.	Clinton and Dover,	"
134.	Conant and Montgomery,	"
135.	Conant and Rimmon,	pole.
136.	Conant and Beauport,	arm.
137.	Concord and Vine,	"
138.	Concord and Chestnut,	"
139.	Concord and Pine,	"
140.	Concord and Union,	"
141.	Concord and Walnut,	"
142.	Concord and Beech,	"
143.	Concord and Ash,	"
144.	Concord and Maple,	"

145. Concord and Dutton,	arm.
146. Concord and Derry,	"
147. Concord and Ashland,	"
148. Concord and Hall,	"
149. Concord common, west,	pole.
150. Concord common, east,	"
151. Coolidge avenue and Beauport,	arm.
152. Coolidge avenue, near Kelley,	"
153. Coolidge avenue and Cartier,	"
154. Dean and Canal,	"
155. Dean and Elm,	"
156. Dean avenue and Hampshire lane,	pole.
157. Dearborn and Taylor,	arm.
158. Depot and Canal.	pole.
159. Depot and Franklin,	arm.
160. Derryfield park,	"
161. Donald street, near cemetery,	"
162. Douglas and railroad,	pole.
163. Douglas and Barr,	arm.
164. Douglas and West,	pole.
165. Douglas and Main,	arm.
166. Dunbarton road and Front,	"
167. East High and Nashua,	"
168. East High and South,	"
169. East High and Malvern,	"
170. East High and Ashland,	"
171. East High and Hall,	"
172. East High and Buzzell,	"
173. Spruce and Chestnut west back,	"
174. East Spruce and Barry avenue,	"
175. East Spruce and Union,	"
176. East Spruce and Beech,	"
177. East Spruce and Maple,	"
178. East Spruce and Lincoln,	"
179. East Spruce and Wilson,	"
180. East Spruce and Hall,	"
181. East Spruce and Massabesic,	pole.
182. East Spruce and Old Falls road,	arm.
183. East Spruce and Beacon,	"
184. Elm street, opposite No. 1966,	"
185. Elm, below railway bridge,	"
186. Elm and railway bridge,	pole.
187. Elm avenue and Elm,	arm.
188. Ferry and Main,	"
189. Ferry and Third,	"
190. Ferry and Turner,	pole.
191. Front street, opposite No. 367,	"

192. Gates and Dubuque,	pole.
193. Goffstown road and Front,	"
194. Goffstown road and Omega,	arm.
195. Grove and Pine,	"
196. Grove and Union,	"
197. Grove and Beech,	"
198. Grove and Belmont,	"
199. Granite and Green,	"
200. Granite and West,	"
201. Granite and Main,	"
202. Granite and Second,	"
203. Granite bridge, west,	pole.
204. Granite bridge, center,	"
205. Granite bridge, east,	"
206. Granite and State,	arm.
207. Granite and Bedford,	"
208. Granite and Canal,	pole.
209. Granite and Franklin,	arm.
210. Green and Elm,	"
211. Green and Pine,	"
212. Green and Union,	"
213. Green and Beech,	"
214. Grant and Boynton,	"
215. Hancock and Brown avenue,	pole.
216. Hanover common,	"
217. Hanover and Nutfield lane,	arm.
218. Hanover and Chestnut,	"
219. Hanover and Pine,	"
220. Hanover and Union,	"
221. Hanover and Beech,	"
222. Hanover and Maple,	"
223. Hanover and Lincoln,	"
224. Hanover and Ashland,	"
225. Hanover and Hall,	"
226. Hanover and Belmont,	"
227. Hanover and Beacon,	"
228. Hanover and Alfred,	"
229. Hanover and Highlands,	pole.
230. Hanover and Grant,	arm.
231. Hanover and Lake avenue,	pole.
232. Hanover and Page,	arm.
233. Harrison and Elm,	"
234. Harrison and Chestnut,	"
235. Harrison and Pine,	"
236. Harrison and Hazel,	"
237. Harrison and Union,	"
238. Harrison and Walnut,	"

239.	Harrison and Beech,	arm.
240.	Harrison and Ash,	"
241.	Harrison and Maple,	"
242.	Harrison and Oak,	"
243.	Harrison and Russell,	"
244.	Harrison street, opposite No. 329,	"
245.	Harvell and South Main,	"
246.	Hayward and Beech,	"
247.	Hayward and Cypress,	pole.
248.	Hayward and Riley avenue,	arm.
249.	High and Chestnut,	"
250.	High and Pine,	"
251.	High and Union,	"
252.	Hollis and Canal,	"
253.	Hollis, below Elm west back,	"
254.	Hospital avenue and Massabesic,	pole.
255.	Kelley and Rimmon,	arm.
256.	Kelley and Cartier,	pole.
257.	Kelley and Alsace,	arm.
258.	Kidder and Boyden,	pole.
259.	Kidder and Whitney,	arm.
260.	Kidder and Elm,	"
261.	Lake avenue and Elm,	"
262.	Lake avenue and Chestnut,	"
263.	Lake avenue and Pine,	"
264.	Lake avenue and Union,	"
265.	Lake avenue and Beech,	"
266.	Lake avenue and Maple,	"
267.	Lake avenue and Lincoln,	"
268.	Lake avenue and Wilson,	"
269.	Lake avenue and Massabesic,	"
270.	Lake avenue and Belmont,	"
271.	Lake avenue and Beacon,	"
272.	Lake avenue, opposite No. 529,	"
273.	Lake avenue and Cass,	pole.
274.	Lake avenue and Canton,	"
275.	Lake avenue and J. Hall road,	"
276.	Langdon and Canal,	arm.
277.	Langdon and Elm west back,	pole.
278.	Laurel and Laurel avenue,	arm.
279.	Laurel and Pine,	"
280.	Laurel and Union,	"
281.	Laurel and Beech,	"
282.	Laurel and Maple,	"
283.	Laurel and Lincoln,	"
284.	Laurel and Wilson,	"
285.	Laurel and Hall,	"

286. Laurel and Belmont,	arm.
287. Laurel and Milton,	"
288. Laurel and Beacon,	"
289. Laurel and Cass,	"
290. Liberty street, opposite No. 93,	"
291. Lowell, south back, and Nutfield lane,	"
292. Lowell and Elm,	"
293. Lowell and Birch,	"
294. Lowell and Chestnut,	"
295. Lowell and Pine,	"
296. Lowell and Union,	"
297. Lowell and Walnut,	"
298. Lowell and Beech,	"
299. Lowell and Ash,	"
300. Lowell and Nashua,	"
301. Lowell and Malvern,	"
302. Lowell and Ashland,	"
303. Lowell and Hall,	"
304. Lowell and Belmont,	"
305. Manchester and Elm,	"
306. Manchester and Chestnut,	"
307. Manchester and Pine,	"
308. Manchester and Union,	"
309. Manchester and Beech,	"
310. Manchester and Maple,	"
311. Manchester and Lincoln,	"
312. Manchester and Wilson,	"
313. Manchester and Hall,	"
314. Manchester and Milton,	pole.
315. Market and Canal,	arm.
316. Market and Franklin,	"
317. Market and Elm,	"
318. Marion and Main,	pole.
319. Marion and McGregor,	arm.
320. Massabesic and Belmont,	pole.
321. Massabesic and Old Falls road,	"
322. Massabesic and Cypress,	arm.
323. Massabesic north of Valley,	"
324. Massabesic and J. Hall road,	"
325. Mast and Main,	pole.
326. Mast and Bowman,	arm.
327. Mast and Riddle,	pole.
328. Mast and New Mast road,	arm.
329. Mast and Forrest,	"
330. McGregor and Main,	"
331. McGregor bridge, west,	pole.
332. McGregor bridge, east,	"

333. McDuffie and Huntress,	arm.
334. Meade and Hall,	"
335. Mechanic and Canal,	"
336. Mechanic and Hampshire lane,	"
337. Merrimack and Canal,	"
338. Merrimack and Franklin back street,	"
339. Merrimack and Franklin,	"
340. Merrimack and Elm,	"
341. Merrimack and Chestnut,	"
342. Merrimack and Pine,	"
343. Merrimack and Union,	"
344. Merrimack and Beech,	"
345. Merrimack and Maple,	"
346. Merrimack and Lincoln,	"
347. Merrimack and Wilson,	"
348. Merrimack and Hall,	"
349. Merrimack and Belmont,	"
350. Merrimack and Beacon,	"
351. Merrimack street, opposite No. 532,	"
352. Merrimack common, west,	pole.
353. Merrimack common, east,	"
354. Merrimack south back and Union,	arm.
355. Middle and Canal,	"
356. Middle and Franklin west back,	"
357. Milford and Carroll,	"
358. Milford and Riddle,	"
359. Milford and Main,	"
360. Mitchell and Beech,	"
361. Monmouth and McGregor back street,	pole.
362. Munroe and River road,	arm.
363. Myrtle and Elm, east back,	"
364. Myrtle and Chestnut,	"
365. Myrtle and Pine,	"
366. Myrtle and Union,	"
367. Myrtle and Walnut,	"
368. Myrtle and Beech,	"
369. Myrtle and Maple,	"
370. Myrtle and Russell,	"
371. Myrtle street, opposite No. 350,	"
372. Nelson and Mammoth road,	"
373. New Mast road and D,	"
374. New Mast road and Wilkins,	pole.
375. North and River road,	arm.
376. North and Elm,	"
377. North and Bay,	"
378. North and Chestnut,	"
379. North and Pine,	pole.

380.	North and Union,	arm.
381.	North and Walnut,	"
382.	North and Beech,	"
383.	North Main street in Eddy,	pole.
384.	North Adams street, opposite No. 63,	arm.
385.	Nutfield lane, rear Central Fire Station,	"
386.	Nutt road and Beech,	"
387.	Nutt road and Portsmouth railroad,	pole.
388.	Nutt road and Willow,	arm.
389.	Orange and Elm,	"
390.	Orange and Pine,	"
391.	Orange and Union,	"
392.	Orange and Ash,	"
393.	Orange and Maple,	"
394.	Orange and Oak,	"
395.	Orange and Russell,	"
396.	Orange and Linden,	"
397.	Orange and Hall,	"
398.	Page and Portsmouth railroad,	"
399.	Park common,	pole.
400.	Parker and West,	arm.
401.	Pearl and Nutfield lane,	"
402.	Pearl and Chestnut,	"
403.	Pearl and Pine,	"
404.	Pearl and Union,	"
405.	Pearl and Beech,	"
406.	Pearl and Oak,	"
407.	Pearl and Russell,	"
408.	Pearl and Linden,	"
409.	Pearl and Morrison,	pole.
410.	Pearl and Belmont,	arm.
411.	Pennacook and Canal,	pole.
412.	Pennacook and Elm,	arm.
413.	Pennacook and Chestnut,	pole.
414.	Pennacook and Pine,	arm.
415.	Pennacook and Union,	"
416.	Pleasant and Franklin,	"
417.	Pleasant and Elm,	"
418.	Prescott and Wilson,	"
419.	Prince and Boynton,	"
420.	Prince and B,	"
421.	Prospect and Elm east back,	"
422.	Prospect and Chestnut,	"
423.	Prospect and Pine,	"
424.	Prospect and Union,	"
425.	Prospect and Beech,	"
426.	Prospect and Ash,	"

427. Prospect and Oak,	arm.
428. Prospect and Linden,	"
429. Prospect and Hall,	"
430. Putnam and Bartlett,	pole.
431. Putnam and Cartier,	arm.
432. Putnam and Main,	"
433. Rowell and River road,	"
434. Rimmon street, opposite No. 322,	pole.
435. River road and Otis,	arm.
436. River road and Stark park,	"
437. Rockland avenue and Wilkins,	"
438. Rockland avenue and Goffstown line,	pole.
439. Sagamore and Elm,	arm.
440. Sagamore and Pine,	"
441. Sagamore and Walnut,	"
442. Sagamore and Maple,	"
443. Sagamore and Russell,	"
444. Salmon and Canal,	"
445. Salmon and Elm,	"
446. Salmon and Bay,	"
447. Salmon and Chestnut,	pole.
448. Salmon and Pine,	"
449. Salmon and Union,	"
450. Salmon and Beech,	arm.
451. School and Third,	"
452. School and Turner,	"
453. Schiller and Second,	"
454. Schuyler and Main,	pole.
455. Shasta and Elm,	arm.
456. Silver and Union,	"
457. Silver and Beech,	"
458. Silver and Lincoln,	"
459. Silver and Wilson,	"
460. Silver and Belmont,	"
461. Somerville and Hall,	"
462. Somerville and Taylor,	"
463. Somerville and Cypress,	"
464. Somerville and Jewett,	"
465. South Main street, opposite No. 520,	"
466. Spruce and Elm,	"
467. Spruce, south back, and Manhattan Lane,	pole.
468. Spring and Canal,	arm.
469. Spring and Hampshire lane,	"
470. Stark and Canal,	"
471. Stark street, opposite No. 22,	"
472. State, east back, and private way	"
473. State, north Granite,	"

474.	State, south Granite,	arm.
475.	Sullivan and Thornton,	"
476.	Sullivan and Beauport,	pole.
477.	Sullivan and Main,	"
478.	Summer and State,	arm.
479.	Summer and Pine,	"
480.	Summer and Union,	"
481.	Summer and Hall,	"
482.	Summer and Dearborn,	"
483.	Summer and Belmont,	"
484.	Thayer and Elm,	"
485.	Titus avenue and Beech,	"
486.	Tremont common,	pole.
487.	Trenton and Union,	arm.
488.	Valley and Elm,	"
489.	Valley and Pine,	pole.
490.	Valley and Union,	arm.
491.	Valley and Wilson,	"
492.	Valley and Belmont,	"
493.	Valley and Taylor,	"
494.	Valley and Cypress,	"
495.	Valley and Jewett,	"
496.	Vinton and Taylor,	"
497.	Walker and Main,	"
498.	Walker and Fourth,	"
499.	Walker and Third,	"
500.	Walker and Second,	"
501.	Walker and Turner,	pole.
502.	Washington and Church,	arm.
503.	Water street, opposite No. 22,	"
504.	Water and Elm,	"
505.	Wayne and Dubuque,	pole.
506.	Wayne and Beauport,	"
507.	Wayne and Main,	arm.
508.	Wayne and McGregor,	pole.
509.	Webster and River road,	"
510.	Webster and Elm,	arm.
511.	Webster and Chestnut,	"
512.	Webster and Pine,	"
513.	Webster and Walnut,	pole.
514.	Webster and Beech,	arm.
515.	Welch avenue and Calef road,	pole.
516.	West Hancock and South Main,	arm.
517.	West Hancock and Dartmouth,	"
518.	West Hancock and Second,	pole.
519.	West Hancock and Wentworth,	arm.
520.	Whitford and Union,	"

521. Wilton and Main,	arm.
522. Winter and Parker,	"
523. Winter street, opposite No. 62,	"
524. Winter place and Elm west back,	"
525. Young and Taylor,	"
526. Young and Ainsworth avenue,	"
527. Young and Mammoth road,	"



REPORT

OF THE

BOARD OF WATER COMMISSIONERS.

BOARD OF WATER COMMISSIONERS, 1903.

EUGENE E. REED, *Mayor, ex officio.*

CHARLES H. MANNING, term expires January, 1907.

HARRY E. PARKER, term expires January, 1909.

FRANK DOWST, term expires January, 1906.

EDGAR J. KNOWLTON, term expires January, 1910.

CHARLES M. FLOYD, term expires January, 1908.

WILLIAM COREY, term expires January, 1905.

OFFICERS.

CHARLES H. MANNING, *President.*

CHARLES K. WALKER, *Superintendent.*

ARTHUR E. STEARNS, *Registrar.*

JOSIAH LASELLE, *Engineer at Low Service Pumping Station.*

CHARLES A. WHITNEY, *Engineer at High Service Pumping Station.*

REPORT OF THE BOARD OF WATER COMMISSIONERS.

To the Honorable City Councils of the City of Manchester, N. H.:

GENTLEMEN.—The Manchester Water Board herewith present their thirty-second annual report for the year ending December 31, 1903, with the detailed report of the superintendent during the same period.

FINANCIAL CONDITION.

Receipts and expenditures for the year have been as follows:

Balance unexpended December 31, 1902		\$106,845.41
Received from water rentals, 1903		109,216.23
Received from hydrant rentals, 1903		19,200.00
		\$235,261.64
Total		\$235,261.64
Amount paid for current expenses	\$24,209.53	
Amount paid for construction expenses	153,427.04	
Interest on water bonds, 1903	33,780.00	
Hydrant rentals set aside for sinking fund ..	19,200.00	
Set aside for sinking fund for payment of water bonds, state law	5,000.00	
		\$235,616.57
Amount overdrawn December 31, 1903		\$354.93

Respectfully submitted,

EUGENE E. REED, *ex officio*.

CHARLES H. MANNING, *President*.

HARRY E. PARKER,

FRANK DOWST,

EDGAR J. KNOWLTON,

CHARLES M. FLOYD.

WILLIAM COREY.

SUPERINTENDENT'S REPORT.

To the Water Commissioners of the City of Manchester:

I beg leave to make the following report for the year ending December 31, 1903:

MASSABESIC LAKE.

We have had a lake full of water for three years in succession. There has been plenty of water to run the old pumps and supply the city ever since the contract was made for the new pump at the high service station three years ago the 31st of last July.

The highest point reached this year was thirty-two and one-half inches above the dam, the lowest one and one-half inches below. It stands today five inches above.

We had on hand one year ago today \$106,000. The largest share of this money has been paid for land about the lake. The city owns about five miles more of shore, making 80 per cent of shore now controlled by the city.

At the old station there have been very few repairs. You will see by the table that the water was pumped mostly by the Davidson pump, and not so much pumped as last year. This is in consequence of running the new pump at the high service station and letting the water run into the low. We estimate that about 12,000,000 gallons was so distributed.

NEW HIGH SERVICE STATION.

It is very gratifying to be able to report that the new pump is finished and paid for. The connection to the pump well from the pump was made by the city; the pipe was cast by the Amoskeag corporation, and I feel much indebted to Col. C. H. Manning for the interest which he took in the matter, and it is through his efforts that we are able to say today that it is completed.

The connection and suction pipe were put in on January 23, and we began to pump water the last of February.

On March 6, the commissioners went out to the station and saw the pumps running, and voted to pay to the Snow Company \$15,000 more.

Dean & Main tested the pump the first of September and reported that it came up to the contract.

On December 4 the last payment on the pump was made, and we consider it a first-class pump. It has been painted by the city and is all ready for business. A hard wood floor has been laid and an iron gallery has been put round by the windows, and the cellar and outside of the building have been graded and concreted.

In the old part slight repairs were made on the boilers and the top of the chimney, and the lightning rods were fixed.

RESERVOIRS.

One hundred dollars in labor and grass seed was expended upon the old reservoir banks. A weed which is called blue, or Canada vetch, got into the grass upon the banks and was killing it out. This has been brought there within the last two or three years through the top dressing and had to be dug out and carted off. This was done the first part of October. The high service reservoir needed no repairs. The foree mains required about the same amount of repairing as was done last year.

New pipes were laid in the following streets: Avon, Ash, Bay, Diekey, Goffstown road, Hayward street, Woodbine avenue, Somerville, Sagamore, State, and Trenton streets.

Five hundred and ninety-four feet was moved on Coolidge avenue at an expense of about \$700. A little less than one mile of new pipe was laid. Ledge was encountered in Trenton and Bay streets and a small amount in Dickey street. The expense of laying all the new pipe was a little over \$6,000.

It would be well before altering the grade or line of a street to consult the water department so as to know just where the water pipe lays as to grade and pipe line, and what it would cost to move it. There were no repairs on the dam or canal. The penstock leaked a little within one hundred feet of the canal, where the grade begins to descend towards the station, and we dug down to it and repaired it with very little trouble. We found the penstock in good condition and it will probably last for a number of years.

AMOUNT PUMPED AT LOW SERVICE STATION.

MONTHS.	Kind of pump.	No. hours Davidson.	No. hours Wood.	No. strokes Davidson.	No. strokes Wood.	No. strokes per minute Davidson.	No. strokes per minute Wood.	No. gallons pumped by Davidson.	No. gallons pumped by Wood.	Total gallons.	Daily average.
January	Davidson.	421	.....	525,947	.....	20.94	.....	80,567,144	.....	80,567,144	2,592,488
February	"	374	.....	471,844	.....	20.31	.....	71,726,368	.....	71,726,368	2,561,655
March	"	380	.....	477,059	.....	20.92	.....	72,512,968	.....	72,512,968	2,339,128
April	"	191	.....	230,917	.....	20.16	.....	35,099,384	.....	67,748,924	2,258,257
	Wood	.....	184	.....	247,345	.....	22.30	.....	32,649,540	.....	.....
May	Davidson.	446	.....	539,755	.....	19.90	.....	80,978,546	.....	80,978,546	2,612,211
June	"	386	.....	461,923	.....	19.92	.....	70,212,296	.....	70,212,296	2,340,409
July	"	451	.....	537,808	.....	20.69	.....	84,786,816	.....	84,786,816	2,735,068
August	"	374	.....	463,827	.....	20.00	.....	70,501,704	.....	70,501,704	2,274,248
September	"	382	.....	485,440	.....	19.27	.....	69,082,880	.....	.....	.....
	Wood	.....	23	.....	1,927	.....	21.27	.....	3,996,036	.....	.....
October	Davidson.	400	.....	478,160	.....	19.14	.....	72,650,320	.....	72,650,320	2,344,326
November	"	364	.....	432,780	.....	19.82	.....	65,782,560	.....	65,782,560	2,192,752
December	"	398	.....	475,200	.....	19.85	.....	72,230,400	.....	72,230,400	2,339,013
		4,572	40	5,597,658	249,292	20.11	.....	846,761,386	36,645,576	883,406,962	2,419,701

PUMPING RECORD, HIGH SERVICE WORTHINGTON ENGINE, 1903.

MONTHS.	No. days pump- ing.	TOTAL PUMPING TIME PER MONTH.		Total number of strokes.	Average strokes per min.	COAL IN POUNDS.				No. of gallons pumped.	Gallons pumped per pound of coal.	Dynamic head.
		Hours.	Min.			Raising steam and banking.	Pump- ing.	Ashes and clinkers.	Total coal.			
January	16	125	00	320,005	42.66	25,448	43,343	7,619	53,904	17,938,339	407	289
February	11	86	45	223,807	42.10	16,831	36,766	7,121	50,981	12,299,205	334	269
March	9	62	00	160,125	43.05	9,540	20,510	4,335	30,050	8,811,583	429	269
April	9	58	15	153,116	43.81	7,252	19,504	3,795	26,846	8,426,984	430	270
May	9	59	30	172,886	43.04	5,408	19,496	3,482	24,904	9,524,817	488	270
June	6	28	15	73,101	43.12	3,646	9,156	1,594	12,802	4,092,936	439	270
July	6	31	30	82,726	43.77	3,786	10,240	1,760	14,026	4,549,360	444	270
August	3	13	45	35,289	42.72	864	4,585	544	5,449	1,341,445	423	.....
September	17	121	10	315,697	43.42	15,041	37,818	5,184	52,859	17,363,335	457	271
October	17	124	20	322,433	43.22	17,901	38,472	4,737	56,373	17,738,802	461	271
November .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
December	103	710	30	1,859,165	.....	102,717	259,980	40,121	328,194	102,317,366	.....	.....

146.5 tons of coal were used in pumping; 224 gallons of oil; 125 pounds of waste.

PUMPING RECORD — HIGH SERVICE SNOW ENGINE, 1903.

MONTHS.	No. days pump- ing.	TOTAL PUMPING TIME PER MONTH.		Total number of strokes.	Average strokes per minute.	COAL IN POUNDS.				No. of gallons pumped.	Gallons pump'd per pound of coal.	Dynamic head.
		Hours.	Min.			Raising steam and bank'ing.	Pump- ing.	Ashes and clinkers.	Total coal.			
February	6	no ac't		30,108	.....	5,352	12,364	2,552	18,316	3,702,608	.....	.....
March.....	10	53	35	66,416	.....	12,416	29,743	5,894	42,159	7,903,504	.....	.....
April.....	13	41	40	74,905	.....	14,242	19,134	4,452	33,930	8,913,695	.....	.....
May.....	18	64	37	127,942	.....	18,300	27,928	6,390	46,928	15,235,029	.....	.....
June.....	21	103	55	210,913	.....	22,555	45,078	8,743	67,433	24,391,547	.....	.....
July.....	19	70	.....	144,541	.....	18,023	29,306	6,068	47,329	17,200,379	.....	.....
August.....	19	92	40	188,118	.....	18,028	38,076	6,136	56,704	22,386,042	.....	.....
September.....	20	93	55	189,866	.....	20,099	37,982	5,746	58,081	22,600,524	.....	.....
October.....	18	78	45	161,002	.....	21,128	30,586	5,225	51,714	17,969,238	.....	.....
	144	569	05	1,183,041	.....	151,143	260,197	51,185	421,894	140,901,566	.....	.....

188.3 tons of coal were used in pumping; 1,017 gallons of oil; and 234 lbs. of waste.

RAINFALL AT HIGH SERVICE STATION, 1903.

DAY OF MONTH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1.							.14					
2.										.17		
3.	.61	.04		.31								*.48
4.		*.49		.28	.15							
5.		*.53	*.23					.58	.43	.08	.39	
6.	*.10				.07		.35	.07				
7.	*.15			.15								
8.		*.75	.51	.58		.23				.32		
9.			.72	.25				.02		.31		
10.			.04	.14						.13		.87
11.	*.53	.39	.87			.05				.07		
12.						.95		.09		1.04		
13.						.72				.25		.55
14.						.53	.08	.12				
15.				.39	.09	1.57						
16.		*.34		.25		.08		.11			.20	
17.		*.70		.04					1.43		.73	
18.							.21		.08	.96	.27	
19.						.66	.63					*.35
20.								.49				.67
21.	.94		.06			2.00	1.52					
22.			.34			1.20						
23.			1.10							.09		
24.			.26							.10	.15	
25.	*.04		.03			.34		.95				
26.						.05		.13				*.19
27.												
28.	.21	.30	*.29		.19				.51			
29.							.15	.15				*.03
30.	.51				.17	.04	.25	.22				
31.			.75					.02				
	3.09	3.54	5.20	2.34	.67	8.42	3.33	2.96	2.45	3.52	1.74	3.14

Total, 40.39 inches.

* Snow.

1895. Total rainfall, 42.06 inches.

1896. Total rainfall, 38.41 inches.

1897. Total rainfall, 49.76 inches.

1898. Total rainfall, 47.15 inches.

1899. Total rainfall, 36.27 inches.

1900. Total rainfall, 47.89 inches.

1901. Total rainfall, 47.47 inches.

1902. Total rainfall, 47.58 inches.

1903. Total rainfall, 40.39 inches.

The income from the sale of water for 1903 has been as follows:

Received for water by rate	\$21,539.64
for water by meter	85,954.05
for building purposes	253.90
from fines	407.00
	<hr/>
	\$108,154.59

Received for pipe, etc.....	\$84.85	
for pipe, Amoskeag corporation....	27.79	
from Smith Box Co., repair to hydrant	25.00	
	<hr/>	\$137.64
Received from Asa Heselton, rent.....	\$50.00	
from Samuel F. McDonald, rent....	96.00	
from Boston & Maine R. R., damage to wood lot	700.00	
F. H. Gilbert, rent	3.00	
Frank McIntyre, rent	5.00	
Mell Hall, rent	10.00	
E. H. Cavanaugh, lease	12.00	
Grattan Cot. association, lease.....	22.00	
J. J. Murray, lease	12.00	
J. C. Ferguson, lease	12.00	
Fletcher Brown, lease	1.00	
W. H. Griffin, lease	1.00	
	<hr/>	\$924.00
		<hr/>
		\$109,216.23
Received for hydrant rental		19,200.00
		<hr/>
		\$128,416.23
Abatements, \$330.92.		
Amount on hand December 31, 1902.....	\$106,845.41	
Received for water rent, 1903	109,216.23	
for hydrant rentals, 1903.....	19,200.00	
	<hr/>	\$235,261.64
Amount paid for current expenses	\$24,209.53	
paid for construction expenses	153,427.04	
paid interest on bonds	33,780.00	
Hydrant rentals set aside for sinking fund...	19,200.00	
State law, 1897, bonds set aside for sinking fund	5,000.00	
	<hr/>	\$235,616.57
Amount overdrawn		\$354.93

CLASSIFICATION OF ACCOUNTS, 1903.

Superintendence, repairs, etc.....	\$15,364.18	
Stationery and printing	162.90	
Office and incidental expenses	907.30	
Pumping expenses, low service	2,260.22	
Pumping expenses, high service	4,813.46	
Repairs to buildings	170.86	
Repairs to dam, canal and reservoir	530.61	
	<hr/>	\$24,209.53

Service pipes	\$1,509.15	
Distribution pipes	9,943.62	
Fire hydrant and valves	309.74	
Meters	1,266.73	
Land and water rights	106,150.00	
Pumping machinery and buildings	34,247.80	
	<hr/>	\$153,427.04
Sinking fund from fire hydrants	\$19,200.00	
Sinking fund for water bonds	5,000.00	
	<hr/>	\$24,200.00
		<hr/>
		\$201,836.57

Construction Expenses.

Land and water rights	\$265,384.00	
Dam, canal, penstock, etc.....	101,399.16	
Pumping machinery and buildings	246,364.32	
Distribution reservoir	117,697.90	
Force and supply main	89,769.02	
Distribution pipes	651,333.99	
Fire hydrants and valves	64,056.58	
Meters and fixtures	64,210.33	
Service pipes	83,893.79	
Grading and fencing	17,470.39	
Tools and fixtures.....	10,649.35	
Boarding and storehouses	919.36	
Roads and culverts	4,405.20	
Supplies	550.39	
Engineering ^d	22,176.19	
Livery and traveling expenses	2,856.64	
Legal expenses	563.79	
	<hr/>	\$1,743,700.40

Current Expenses.

Superintendence and repairs	\$418,231.92	
Stationery and printing	8,352.12	
Office and incidental expenses	36,596.72	
Pumping expenses at low service	66,899.30	
Pumping expenses at high service	44,614.88	
Repairs to buildings	6,498.75	
Repairs to canal, dam, and reservoir	8,379.94	
	<hr/>	\$589,573.63
Interest	\$40,678.51	
Highway expenditures	14,000.53	
	<hr/>	\$54,679.04
		<hr/>
		\$2,387,953.07

Interest, discount, and labor performed on highway, transferred and tools and materials sold	\$75,679.97	
Current expenses to December 31, 1903.....	589,573.63	
		<u>\$665,253.60</u>
Total cost exclusive of interest and current expenses		\$1,722,700.47
Interest and discount to December 31, 1902...	\$1,077,819.51	
Interest, 1903	33,780.00	
		<u>\$1,111,599.51</u>

AMOUNT OF WATER BONDS ISSUED TO DECEMBER 31, 1903.

Issued January 1, 1887, rate 4 per cent, due January 1, 1907	\$100,000.00
July 1, 1890, rate 4 per cent, due July 1, 1910	100,000.00
January 1, 1892, rate 4 per cent, due January 1, 1912	100,000.00
August 1, 1893, rate 5 per cent, due August 1, 1913	100,000.00
November 1, 1893, rate 4½ per cent, due November 1, 1913	100,000.00
October 1, 1894, rate 4 per cent, due October 1, 1914	50,000.00
July 1, 1895, rate 4 per cent, due July 1, 1915.....	100,000.00
December 16, 1895, rate 4 per cent, due December 16, 1915	50,000.00
January 1, 1897, rate 4 per cent, due January 1, 1917	100,000.00
	<u>\$800,000.00</u>

SINKING FUND.

1893	\$12,750.00
1894	13,925.00
1895	15,800.00
1896	16,800.00
1897	17,175.00
1898	17,765.00
1898	5,000.00
1899	5,000.00
1899	18,100.00
1900	18,425.00
1900	5,000.00
1901	5,000.00
1901	18,575.00
1902	18,800.00
1902	5,000.00
1903	5,000.00
1903	19,200.00
Total	<u>\$217,225.00</u>

BOARD OF WATER COMMISSIONERS.

201

Interest to date	\$28,788.06
Premium on bonds bought and sold.....	632.39
	<hr/>
Paid January 1, 1902	\$246,645.45
	<hr/>
On hand December 31, 1903	\$146,645.45

STATEMENT OF RECEIPTS.

Year.	Total.	Hydrant rent.	Water by rate.	Water by meter.	Received for building purposes.	Fines.	Labor, pipe and materials sold.	Rentals, and buildings sold.	Number of meters.
1872	8573.61						\$573.61		
1873	2,097.60		\$1,692.69	\$190.84		\$14.00	200.67		8
1874	32,154.07	\$22,425.00	7,987.27	1,436.56	\$119.10	104.18	699.85		98
1875	29,223.60	13,095.00	10,292.13	3,348.11	122.13	120.59	2,245.64		160
1876	39,028.47	16,320.00	15,900.63	6,305.81	72.32	180.16	249.55		166
1877	43,823.30	17,475.00	18,064.51	7,783.09	136.10	233.04	131.56		202
1878	48,874.26	17,970.00	20,255.97	10,090.25	83.60	232.82	241.62		226
1879	53,143.17	18,165.00	21,610.13	12,732.93	81.60	240.64	303.87		251
1880	57,655.25	18,300.00	23,795.96	14,794.34	79.50	210.39	465.06	\$10.00	280
1881	60,215.62	18,780.00	25,336.18	15,554.98	105.60	223.99	203.87	11.00	310
1882	67,630.13	20,130.00	26,803.06	19,898.69	146.65	197.49	443.24	11.00	371
1883	73,458.20	20,520.00	28,838.24	23,431.20	314.65	208.04	125.07	21.00	404
1884	75,580.08	21,350.00	31,724.07	21,329.75	195.10	231.96	738.20	11.00	446
1885	80,404.12	18,900.00	33,597.02	27,425.35	102.50	186.80	181.45	11.00	486
1886	75,129.99	19,750.00	33,082.11	21,573.45	287.40	130.80	320.23	6.00	613
1887	80,518.17	20,437.50	33,497.21	25,277.09	351.70	119.20	819.47	16.00	739
1888	85,643.82	21,000.00	33,864.78	29,838.82	543.80	149.80	243.62	3.00	842
1889	86,700.46	18,240.00	34,140.99	33,596.05	361.95	153.20	155.27	53.00	951
1890	90,463.37	19,880.00	32,431.10	37,009.80	649.90	151.80	298.77	42.00	1,135
1891	76,605.23	4,590.00	30,588.79	40,479.25	494.80	160.40	200.99	91.00	1,313
1892	83,474.79	5,000.00	31,344.24	46,139.35	416.00	168.40	139.80	267.00	1,608
1893	104,170.08	12,750.00	32,603.59	58,103.20	1,033.75	159.60	339.38	180.56	1,895
1894	110,210.29	13,925.00	32,176.28	62,501.35	697.80	227.40	334.82	347.64	2,182
1895	118,374.50	15,800.00	32,903.99	67,465.90	808.20	300.40	768.17	327.84	2,520
1896	128,907.03	16,800.00	32,540.03	77,610.10	638.48	302.80	440.12	575.50	2,865
1897	125,719.17	17,175.00	30,647.17	76,148.60	331.85	321.80	627.08	467.67	3,134
1898	131,184.08	17,675.00	29,409.58	80,643.30	187.00	359.80	441.90	2,467.50	3,340
1899	133,436.41	18,100.00	28,063.34	85,764.80	246.80	363.80	400.59	497.08	3,502
1900	138,241.94	18,425.00	27,868.85	91,079.30	95.80	397.80	232.59	142.60	3,667
1901	138,206.14	18,575.00	26,954.99	91,382.60	220.30	437.60	410.90	224.75	3,804
1902	134,331.48	18,800.00	23,785.49	90,479.10	233.34	434.00	358.25	241.25	3,983
1903	128,416.23	19,200.00	21,539.64	85,954.05	253.90	407.00	137.64	924.00	4,001

1878, meter rate was changed. 1884, hydrant rates reduced. 1886, meter and other rates reduced. 1889, hydrant rates reduced. 1891 and 1892, received only part of hydrant rent, and nothing from water-troughs or street sprinklers. 1893, hydrant rent, and water-closets rate reduced. July 1, 1902, rates reduced. Meter rate reduced October 1, 1904.

The following amounts have been paid over to the city treasurer, and credited to the water-works:

1872, supplies and materials sold	\$573.61
1873, supplies and materials sold	177.07
accrued interest on water bonds sold	193.26
accrued interest on state bonds sold	146.00
water rents	1,920.53
1874, supplies and materials sold	607.89
March 12, highway expenditures transferred from water account	14,000.53
March 17, interest and discount transferred from water account	12,347.25
September 1, interest and discount transferred from water account	22,361.74
water and hydrant rent	30,233.54
December 29, interest transferred	4,566.25
1875, water and hydrant rent	27,119.15
sundry items	2,104.45
1876, water and hydrant rent	38,879.47
sundry items	149.00
1877, water and hydrant rent	43,691.74
sundry items	131.56
1878, water and hydrant rent	48,632.64
sundry items	241.62
1879, water and hydrant rent	52,839.30
sundry items	303.87
1880, water and hydrant rent	57,180.19
sundry items	475.06
1881, water and hydrant rent	60,000.75
sundry items	214.87
1882, water and hydrant rent	67,175.89
sundry items	454.24
1883, water and hydrant rent	73,312.13
sundry items	146.07
1884, water and hydrant rent	74,830.88
sundry items	749.20
1885, water and hydrant rent	80,211.67
sundry items	192.45
1886, water and hydrant rent	74,803.76
sundry items	326.23
1887, water and hydrant rent	79,682.70
sundry items	835.47
1888, water and hydrant rent	85,397.20
sundry items	246.62
1889, water and hydrant rent	86,492.19
sundry items	208.27

1890, water and hydrant rent	\$90,122.60
sundry items	340.77
1891, water and hydrant rent	76,313.24
sundry items	291.99
1892, water and hydrant rent	83,067.99
sundry items	406.80
1893, water rents	90,900.14
sundry items	519.94
1894, water rents	95,602.83
sundry items	682.46
1895, water rents	101,478.49
sundry items	1,096.01
1896, water rents	111,091.41
sundry items	1,015.62
1897, water rents	107,449.42
sundry items	1,094.75
premiums on bonds	6,248.00
1898, water rents	110,599.68
sundry items	2,909.40
1899, water rents	114,438.74
sundry items	897.67
1900, water rents	119,441.75
sundry items	375.19
1901, water rents	118,995.49
sundry items	635.65
1902, water rents	114,931.93
sundry items	599.55
1903, water rents	108,154.59
sundry items	1,061.64
	<hr/>
	\$2,504,920.05

SERVICE PIPES.

Eighty (80) service pipes have been laid, as follows:

79 1-inch diameter	2,077.1 feet
1 2-inch diameter	3.0 feet
<hr/>	<hr/>
80	2,080.1 feet

SERVICE PIPES RELAID.

1 ½-inch service	18.8 feet to 1-inch diameter.....	17.0 feet
92 ¾-inch service	2,394.3 feet to 1-inch diameter.....	2,399.3 "
13 1-inch service	265.7 feet to 1-inch diameter.....	298.0 "
1 2-inch service	9.0 feet to 2-inch diameter.....	25.0 "
<hr/>	<hr/>	<hr/>
107	2,687.8	2,739.3 feet

SERVICE PIPES LAID TO DATE.

17	½-inch diameter	359.4	feet
989	¾-inch diameter	24,790.3	"
4,678	1-inch diameter	119,217.1	"
19	1¼-inch diameter	800.2	"
30	1½-inch diameter	938.5	"
77	2-inch diameter	2,367.2	"
2	2½-inch diameter	63.0	"
6	3-inch diameter	122.8	"
12	4-inch diameter	281.5	"
9	6-inch diameter.		
<hr/>		<hr/>	
5,839		148,970.0	feet

28.21 miles of service pipe laid to December 31, 1903.

5,839 service pipes laid to December 31, 1903.

METERS.

The number of meters set during the year has been one hundred and thirty-three (133).

Total number in use, forty hundred and one (4,001).

Number applications for water have been eighty (80).

Total number applications to date, fifty-nine hundred and ninety (5,990).

DISTRIBUTION PIPES LAID, AND GATES AND HYDRANTS
SET, 1903.

STREETS.	LENGTH IN FEET.				GATES.		Hydrants.	LOCATION.
	4 in.	6 in.	8 in.	12 in.	6 in.	8 in.		
Ash		333			1			North of Blodget.
Avon.....		272						Southward to Dickey.
Bay		1,215			3		1	Clarke to Carpenter.
Bremer		44					1	Corner Coolidge avenue.
Coolidge							1	Corner Bremer.
Dickey ..		891			1		2	Avon to Alpine.
Foster avenue....	60							North to L. C. Page's.
Goffstown road...		240			1		1	West to Mrs. Pickerings.
Green		457					2	Wilson to Hall.
Hayward		38			1		1	Corner of Hall for hydrant.
Sagamore.....		196						East of Chestnut.
Somerville				111				Westward near Lincoln.
State.....		152			1			South of Storehouse.
Trenton.....		18	1,192			2	2	West of Union.
Woodbine		118						North of Longwood.
	60	3,974	1,192	111	8	3	10	

5,337 feet laid, or 1.01 miles.

LOCATION OF HYDRANTS SET, 1903.

Bay street, 20 feet south of Carpenter street.
Bremer, corner Coolidge street.
Dickey, corner Whittier.
Dickey, corner Alpine.
Goffstown road, near Mr. Pickering's residence.
Green, corner Wilson.
Green, corner Hall.
Hayward, corner Hall.
Trenton, corner Union.
Trenton, corner Chestnut.
Hydrant on Coolidge avenue, corner Bremer, was taken out.

LOCATION OF GATES SET, 1903.

Ash street, corner Blodget, north side.
Bay, north side Clarke.
Bay, south side Carpenter.
Bay, north side Dr. Carvelle's residence.
Coolidge, south side Bremer.
Dickey, west side Avon.
Goffstown road.
Hayward, west side Hall.
State, south of boiler house.
Trenton, west side Union.
Trenton, east side Chestnut.

SCHEDULE OF PIPES AND FIXTURES LAID TO DECEMBER 31, 1903.—Continued.

STREETS.	Length and size of cement-lined pipe laid.		Length and size of cast-iron pipe laid.							Gates set.					Air valves.	Hydrants.		
	20 in.	6 in.	20 in.	14 in.	12 in.	10 in.	8 in.	6 in.	4 in.	20 in.	14 in.	12 in.	10 in.	8 in.			6 in.	4 in.
Dean.....								584								2		2
Dearborn.....								676								1		1
Depot.....			835					29								2		2
Devy.....									147									
Dix.....								254								1		
Dutton.....									471									1
Elm.....			12642	4134				347								10		1
East High.....								2834								4		6
Elm avenue.....									384									
Everett.....									355									1
Foster avenue.....									308									1
Franklin.....								1130								4		1
Glenwood.....								1017								3		2
Gore.....								1910								5		4
Granite.....			619				290	832							2	2		4
Green.....								1377								3		4
Grove, M. corp.....								231										
Grove, E. Man.....								1735								5		

SCHEDULE OF PIPES AND FIXTURES LAID TO DECEMBER 31, 1903.—Continued.

STREETS.	Length and size of cement-lined pipe laid.		Length and size of cast-iron pipe laid.							Gates set.					Air valves.	Hydrants.		
	20 in.	6 in.	20 in.	14 in.	12 in.	10 in.	8 in.	6 in.	4 in.	20 in.	14 in.	12 in.	10 in.	8 in.			6 in.	4 in.
Rochele								285									1	.....
Rockland								2727									4	.....
School								965									2	.....
Second								3379									5	.....
Schiller								566									1	.....
Schuyler								215									1	.....
Sheridan								758									1	.....
Sherman								429									1	.....
Shirley Hill road								654									1	.....
Sullivan								361	390								2	.....
Third								442	357								2	.....
Thornton								892									1	.....
Tilton								110	387								1	.....
Turner							1217	12	240								1	.....
Varnum								80									1	.....
Walker								1308									2	.....
Warner								1365									2	.....

DISTRIBUTION PIPES AND GATES LAID TO DECEMBER 31, 1903.

Size of pipe.	Cement-lined pipe.	Cast-iron pipe.	Gates.
20-inch diameter.....	20,367 feet.	24,719 feet.	19
14-inch diameter.....		16,245 "	21
12-inch diameter.....		33,557 "	39
10-inch diameter.....		35,262 "	46
8-inch diameter.....		80,188 "	109
6-inch diameter.....	234 feet.	315,147 "	663
4-inch diameter.....		23,077 "	60
	20,601 feet.	525,195 feet.	957

Cement-lined pipe	3.90 miles
Cast-iron pipe	99.47 miles
Total pipe	103.37 miles

778 hydrants.

957 gates.

12 air valves.

Respectfully submitted,

CHARLES K. WALKER.

Uses for which Water is Supplied.

WATER FIXTURES, ETC.

12,696 families, 103 boarding houses, 16,397 faucets, 5,216 wash-bowls, 4,852 bath-tubs, 13,203 water-closets, 982 set tubs, 238 urinals, 4,620 sill-cocks, 3,006 horses, 235 cattle, 778 hydrants, 31 watering-troughs, 10 drinking fountains, 51 standpipes, 2 public urinals.

PUBLIC BUILDINGS.

1 jail, 22 churches, 1 courthouse, 11 hose companies, 6 fire engines, 2 hook-and-ladder, 3 opera houses, 4 convents, 4 city hospitals, 5 cemeteries, 1 orphanage, 1 postoffice, 1 city library, 6 banks, 9 hotels, 1 Masonic hall, 1 Odd Fellows' hall, 3 halls, Children's Home, Masonic Home.

SHOPS.

58 barber, 11 wheelwright, 20 blacksmith, 10 carpenter, 2 tinsmith, 1 copper, 3 currying, 20 plumber and gas and water pipe, 14 paint, 3 gunsmith.

STORES.

5 auction, 35 drug, 22 jewelry, 2 fur, 3 house-furnishing goods, 20 fancy goods, 1 wholesale paper, 5 wholesale produce, 24 dry goods, 12 candy, 1 cloak, 16 millinery, 3 tea, 9 furniture, 3 wholesale grocer, 107 grocery, 6 meal, 2 hardware, 34 boot and shoe, 11 stove, 17 gents' furnishing goods, 7 book, 1 leather and shoe finders, 3 music, 3 upholstery, 9 undertaker, 5 sewing-machine, 1 feather-cleaner, 1 rubber.

SALOONS.

17 dining, 7 billiard, 64 liquor.

MISCELLANEOUS.

7 clubrooms, 3 bleacheries, 35 laundries, 4 ice-houses, 10 photographers, 1 Mercy Home, 2 old ladies' homes, 1 soldiers' monument, 1 Turner hall, 4 fountains, 2 trust companies, 1 city farm, 3 depots, 9 greenhouses, 2 bandrooms, 26 bakeries, 2 waste, 2 business colleges, 36 schoolhouses, 1 battery building, 1 kitchen, 3 wardrooms, 1 gymnasium, 2 police stations.

MANUFACTURING ESTABLISHMENTS.

2 hosiery mills, 1 silver-plating, 3 iron foundries, 2 dye-houses, 5 machine shops, 6 clothing manufactories, 9 harness shops, 1 cornice works, 1 brush shop, 9 carriage shops, 13 cigar factories, 1 brass and copper foundry, 1 locomotive works, 1 grist-mill, 1 silk-mill, 3 granite works, 1 electric light station, 4 sash and blind shops, 1 brewery, 8 shoe shops, 1 gas works, 4 slaughter-houses, 1 soap factory, 4 needle manufactories, 6 beer-bottling, 3 book-binderies, 2 box-makers, 1 paper-box manufactory.

MARKETS.

5 fish, 14 meat and fish, 5 meat, wholesale.

STABLES.

18 livery, 1,358 private.

OFFICES.

23 dentists, 1 telephone, 2 telegraph, 31 coal, 1 gas, 1 electric, 2 express, 19 printing.

Materials on Hand.

WHOLE SLEEVES.

GATES.

1 20-inch,	10 8-inch bell.
6 14 "	3 10 " "
6 10 "	6 4 " "
2 8 "	8 6 " "
9 6 "	1 14-inch spigot.
2 4 "	8 6 " "

PIPE.				REDUCERS.	
24 feet 24-inch pipe.				1 20-inch to 14-inch.	
8,500	"	20	" "	2	14 " " 12 "
140	"	14	" "	2	12 " " 10 "
1,140	"	12	" "	8	10 " " 8 "
1,320	"	10	" "	2	10 " " 6 "
6,924	"	8	" "	11	8 " " 6 "
9,764	"	6	" "	4	6 " " 4 "
1,068	"	4	" "	3 hydrants.	
1,330	"	1	" "	315 pigs of lead.	
263	"	$\frac{3}{4}$	" "	180 stop boxes.	
38	"	2	" "	45 curb cocks.	
31	"	1 $\frac{1}{2}$	" "	46 1-2 corp cocks.	
				111 3-4 " "	

CLAMP SLEEVES.

16	12-inch.
120	10 "
30	8 "
130	6 "
8	4 "

BRANCHES.

2	double	6	on	20.
1	"	8	"	14.
1	"	6	"	14.
3	"	6	"	10.
5	"	8	"	8.
23	"	6	"	8.
14	"	6	"	6.
4	"	4	"	4.
1	"	6x8	"	14.
2	single	10	on	20.
1	"	14	"	14.
1	"	10	"	14.
1	"	6	"	14.
1	"	4	"	12.
1	"	4	"	10.
14	"	6	"	8.
10	"	6	"	6.
1	"	12	"	14.
3	"	6	"	10.
6	"	10	"	10.
17	"	8	"	8.
1	"	4	"	8.

PLUGS.

2	14-inch.
15	10 "
27	12 "
12	8 "
7	6 "
25	4 "

BENDS.

2	20-inch	Y.
1	20	" 1-16.
1	14	" 1-8.
1	12	" 2-8.
4	8	" offsets.
1	10	" "
1	12	" "
13	6	" "

QUARTER TURNS.

2	8-inch.
5	10 "
25	6 "
1	4 "

REPORT
OF THE
STREET AND PARK COMMISSIONERS.



ELEVENTH ANNUAL REPORT OF THE STREET AND PARK COMMISSIONERS.

To His Honor the Mayor and City Councils of the City of Manchester, N. H.:

GENTLEMEN,—The eleventh annual report of the board of street and park commissioners is herewith submitted; showing the work of this department during the year 1903.

OFFICE.

The following gives the receipts and expenditures for the year:

Receipts.

Received from school department	\$156.50	
Received for use of band stand	48.00	
Received from sundry sources	126.73	
	\$316.88	\$331.23
Deposited with city treasurer	\$316.88	
Cash paid for express and postage	14.35	
	\$331.23	\$331.23
Appropriation		\$3,500.00

Expenditures.

Commissioners' salaries	\$1,800.00	
Clerical services	969.00	
Carriage allowance	450.00	
Office supplies, books, etc.....	87.95	
Incidentals	18.80	
	\$3,325.75	
Transferred to reserve fund		174.25
		\$3,500.00

List of Appropriations.

Street and Park commission		\$3,500.00
Repairs of highways	\$25,000.00	
Repairs of highways, school department....	156.50	
Repairs of highways, sundry sources	90.88	
	25,247.38	
New highways		5,000.00
Watering streets		4,000.00

Paving streets		\$5,000.00
Macadamizing streets		6,000.00
Grading for concrete		4,000.00
New sewers	\$20,000.00	
New sewers, sundry sources	13.50	
	<hr/>	20,013.50
Scavenger service		15,000.00
City teams		6,000.00
Snow and ice		4,500.00
Bridges and culverts		6,000.00
Street sweeping		3,000.00
Repairs of sewers		5,000.00
Commons	\$4,500.00	
Commons, band stands	48.00	
Commons, sundry sources	8.00	
	<hr/>	4,556.00
Stark park		1,000.00
Derryfield park		1,000.00
South End playground		75.00
North End playground		75.00
Riddle playground		50.00
Lafayette park		1,000.00
		<hr/>
		\$120,016.88

Expenditures.

Street and park commission	\$3,325.75
Repairs of highways	26,091.21
New highways	4,983.58
Watering streets	4,012.38
Paving streets	4,978.83
Macadamizing streets	5,973.95
Grading for concrete	4,065.12
New sewers	18,970.92
Scavenger service	18,288.45
City teams	6,480.50
Snow and ice	4,736.45
Bridges	6,809.48
Sweeping streets	3,039.34
Repairs of sewers	5,147.79
Commons	4,452.40
Stark park	904.75
Derryfield park	984.89
North End playground	79.25
South End playground	66.80

Riddle playground	\$50.00
Lafayette park	1,000.00
	<hr/>
	\$124,441.84
Transferred from reserve fund	\$4,424.96

Inventory of City Property.

Office, including typewriter, furniture, etc.....	\$399.80
Division No. 2, including horses, dumpearts, sprinklers, crushers, tools, etc.....	23,881.34
City stable and lot of land on Franklin street	91,312.00
Sheds, shops, and tools	15,950.00
Pipe on hand	1,145.34
Division No. 4	10.00
Division No. 5	25.00
Division No. 7	259.00
Pipe on hand	63.15
Division No. 8	39.85
Division No. 9	22.10
Division No. 10	4,224.57
Stable, land, etc.....	1,650.00
Pipe on hand	109.37
Commons	544.90
	<hr/>
	\$139,636.42

Report of Division No. 2.

GEORGE W. CHENEY, AGENT.

STREETS AND ROADS.

The roads in the outlying districts were repaired and put in good shape for the public travel. The following streets were graded, gutters paved and treated to a dressing of crushed stone: Cedar street from Beech to Lincoln, Auburn street from Beech to Maple, Hollis street from Elm to Canal, Chestnut street from Pennacook to Webster, Pine street from Pennacook to Brook, Valley street from Willow to Pine.

The following macadamized streets were repaired and topdressed with crushed stone and put in good condition with the steam road roller: Lowell street from Elm to Chestnut, also Lowell street from Union to Beech, Bridge street from Ash to Maple, Central street from Elm to Franklin, Franklin street from Granite to Cedar, Granite street from Elm to Canal, Chestnut street from Central to Merrimack, also Chestnut street from Lowell to Brook, and Merrimack street from Chestnut to Pine.

There was used in the above streets 1,769 loads crushed stone taken from the city ledge, also 1,161 loads taken from the surplus rock blasted from the trench while building the sewer in North Chestnut street, North Union street and Bay street. Besides there were used 874 loads of crushed stone in repairing the macadamized streets on the West Side, also upward of 2,000 loads of gravel were used in repairing other streets.

STREETS REPAIRED WITH CRUSHED STONE FROM CITY LEDGE, PICKED UP WITH ROAD ROLLER AND ROLLED DOWN.

Auburn from Beech to Maple.
 Bridge from Ash to Maple.
 Cedar from Beech to Lincoln.
 Central from Elm to Franklin.
 Chestnut from Central to Merrimack.
 Chestnut from Lowell to Brook.
 Chestnut from Webster to Pennacook.
 Franklin from Cedar to Granite.
 Granite from Elm to Canal.
 Lowell from Elm to Chestnut.
 Lowell from Union to Beech.
 Pine from Brook to Pennacook.
 Valley from Elm to Pine.

1,569 loads of stone used from city ledge.

1,061 loads of stone used from North Union and Chestnut streets.

2,630 loads, total amount of stone used.

GRADING FOR CONCRETE.

LOCATION.	Length in feet.	Cut or fill.	Labor.
Beech and Webster	120	Cut.	\$20.40
Bridge from Belmont east	800	Fill.	60.50
Bridge and Western	100	"	10.00
Cedar between Maple and Lincoln	550	Cut.	40.00
Chestnut between Pennacook and Salmon	1,600	"	50.00
East High and Russell	100	"	12.00
Lake avenue near Hall road	100	"	20.40
Masonic Home	750	Fill.	50.00
North Union between Clark and Carpenter	370	Cut.	96.50
Prospect east of Russell	300	"	58.30
Sagamore between Pine and Elm	200	Fill.	21.50
Valley from Pine east	100	"	38.60
Valley from Pine west	300	Cut.	77.20
Total	5,390	.....	\$555.40

NEW HIGHWAYS.

LOCATION.	Length in feet.	Cut or fill.	Labor.
Ash from Sagamore to Salmon.....	400	Cut and fill.	\$225.00
Prospect from Oak to Russell.....	300	Cut.	89.00
Salmon from Ash to Beech.....	200	Cut and fill.	140.00
Walnut from Webster southerly.....	450	Fill.	60.00
Webster from Bridge southerly.....	225	Cut.	51.00
Total	1,575	.....	\$565.00

COBBLE GUTTER PAVING.

LOCATION.	Number loads of stone.	Square yards.	Labor.
Auburn from Beech to Maple.....	44	478 3-9	\$72.00
Amherst from Belmont to Milton.....	8	77 7-9	22.00
Amherst from Maple to Ash.....	17	136	20.50
Amherst from Concord to Lowell.....	7	58 3-9	18.50
Auburn and Wilson.....	5	48 5-9	18.00
Ash from Salmon to Sagamore.....	18	150	42.00
Ash from Concord to Amherst.....	7	30	8.50
Belmont from Amherst to Concord.....	9	75	40.52
Bridge, Western westerly.....	12	110	30.24
Bridge from Ash to Maple.....	.....	175	15.50
Beech from Sagamore to Salmon.....	18	150	42.00
Chester from Lincoln to Ashland.....	1	11 1-9	5.00
Chestnut near Carpenter.....	3	25	4.50
Cedar from Lincoln to Beech.....	85	821 3-9	89.25
Chestnut from Salmon to Pennacook.....	48	486 1-9	68.80
Hall from Bridge to East High.....	11	107	24.75
Hollis from Canal to Elm.....	23	223 6-9	34.00
Harrison back from Walnut to Beech.....	4	44 4-9	11.55
Hanover near Alfred.....	29	280	41.00
Linden south of Myrtle.....	6	50	14.00
Myrtle west of Linden.....	6	50	14.00
North from Walnut to Beech.....	11	107	23.80
Prospect from Russell to Linden.....	11	91 6-9	17.00
Prospect from Walnut to Beech.....	8	77 7-9	25.40
Pine from Brook to Pennacook.....	33	321	40.80
Prospect from Linden to Russell.....	13	126 3-9	25.50
Salmon from Ash to Beech.....	10	97 2-9	23.00
Valley from Elm to Pine.....	30	291 6-9	31.30
Walnut from Webster to North.....	6	645 5-9	60.20
Total.....	543	5,345 8-9	\$883.61

NEW EDGESTONES SET.

Ash and Sagamore	15 feet
Ash, near Concord	238 "
Auburn and Beech	28 "
Auburn and Wilson	14 "
Amherst and Belmont	14 "
Amherst, near Maple	500 "
Beech and Cedar	30 "
Beech and Merrimack	14 "
Bridge, near Malvern	75 "
Bridge and Union	163 "
Bridge and Maple	30 "
Bridge and Hall	16 "
Bridge from Western westerly	300 "
Buzzell and East High	14 "
Blodget and Ash	61 "
Chestnut, near Carpenter	65 "
Chestnut, between Webster and North	200 "
Chestnut and Carpenter	15 "
Chestnut, between Salmon and Pennacook	438 "
Chestnut and Lowell	85 "
Cedar and Maple	30 "
Central, between Chestnut and Pine	25 "
Central and Milton	14 "
Elm back, near Concord	114 "
Elm back, between Hanover and Amherst	50 "
Harrison and Union	30 "
Lowell and Maple	8 "
Lowell and Chestnut	250 "
Lake avenue east of Canton	165 "
Lowell and Walnut	14 "
Lowell and Pine	116 "
Masonic Home	750 "
Merrimack and Pine	14 "
Maple and Auburn	28 "
Oak and Prospect	15 "
Orange and Pine	43 "
Pennacook, between Chestnut and Pine	50 "
Sagamore and Bay	29 "
Spruce and Lincoln	43 "
Union and Lowell	25 "
Valley, between Elm and Pine	420 "

 4,558 feet

Labor, \$533.17.

EDGESTONES RESET.

Bridge and Lowell	100 feet
Elm and Kidder	100 "

 200 feet

Labor, \$18.80.

NEW CESSPOOLS.

LOCATION.	No.	Cost of material.	Labor.
Ash and Sagamore	1	\$19.75	\$13.00
Auburn and Maple	4	119.52	34.00
Belmont and Amherst.....	1	16.64	9.00
Bridge and Ash.....	1	18.85	6.80
Bridge and Hall.....	1	11.07	6.00
Bridge and Western.....	4	70.53	24.00
Beech and Amherst.....	1	16.64	7.36
Chestnut and Carpenter.....	2	40.74	20.00
Chestnut between Pennacook and Salmon ..	6	138.82	68.00
Cedar between Lincoln and Maple.....	4	90.75	59.50
Elm back corner Central.....	1	22.22	5.50
Hollis and Canal.....	2	46.65	20.40
Hall and Spruce.....	1	22.78	9.00
Lake avenue west of Cypress.....	1	21.88	7.00
Lake avenue east of Beacon.....	1	17.52	6.25
Lake avenue between Wilson and Hall.....	1	20.96	8.00
Maple and Bridge.....	1	17.77	6.40
Prospect and Walnut.....	2	43.00	17.00
Pine and Pennacook.....	2	39.50	15.30
Pine and Hanover.....	1	20.60	9.00
Spruce and Belmont.....	1	22.78	9.50
Spruce and Beech.....	1	22.78	9.25
Sagamore and Salmon on Beech.....	1	21.88	5.50
Salmon and Ash.....	2	35.80	28.00
Union and Spruce.....	1	23.50	9.25
Valley between Elm and Willow.....	3	45.88	24.00
Total.....	46	\$988.81	\$437.61

REPAIRED CESSPOOLS.

LOCATION.	Cost of material.	Labor.
Hanover between Beech and Maple.....	\$3.47	\$2.00
Lowell between Wilson and Hall.....	2.04	3.50
Pine and Central.....	2.04	5.00
Wilson, near Lake avenue	9.65	3.00
Totals.....	\$17.20	\$13.50

PAVING RELAID.

LOCATION.	Square yards.	Labor.
Hanover, Union to Pine.....	58 6-9	\$17.00
Lake avenue, Cass to Beacon.....	505 5-9	50.00
Lake avenue, Wilson to Hall.....	311 1-9	57.75
Lake avenue hill east of Cass.....		125.00
Lake avenue, Milton to Beacon.....	50	10.20
Orange, corner Elm.....	40	10.20
Prospect, west of Russell.....	25	4.75
Sagamore and Bay.....	38 8-9	4.95
Totals.....	1,029 2-9	\$279.85

SEWERS.

There has been laid this year 7,416 feet of new sewers at a total cost of \$17,330.36. Some of the more extensive jobs were situated as follows: Bay street, north of Clarke street, 298 feet; Chestnut street, north of Carpenter street, 384 feet; Clarke street, east of Elm to Bay street, 328 feet; Hanover street, east of Hall street, 269 feet; Lowell street from Beacon to Weston street, 458 feet; Massabesic street, east of Jewett street, 644 feet; Merrill street, east of Jewett street, 332 feet; Merrill south back street from Pine to Union street, 506 feet; Prout avenue from Hayward street south, 462 feet; Union street south of Merrill south back street, 336 feet; Union street, north of Clarke street, 650 feet; Union street, north of Carpenter street, 376 feet; Western street, south of Lowell street, 240 feet; and Bismarck street from Milford street north, 975 feet.

In the Chestnut and Bay street sewers it was necessary to blast through solid ledge almost their entire length. The same condition was found in the Union-street sewer north of Carpenter street, also in the Union-street sewer north of Clarke.

The sewer on Massabesic street was laid in a trench, which was blasted to a depth of twelve to fifteen feet in solid ledge. The cost per linear foot was \$6.804.

There is a section in East Manchester in the vicinity of Taylor street where sewers should be built the coming season. In order to reach the point a large sewer should be started from the Silver street sewer in Maple street going north in Maple street to Valley street, thence easterly in Valley to Weston street, thus diverting all the sewage south of Valley street to the Silver street sewer, thereby relieving the overcrowded Spruce street sewer. This would require over 6,000 feet of sewer pipe at an estimated cost of \$11,000.

The board would recommend that the amount of \$10,000 be added to the regular appropriation for new sewers.

The average cost per linear foot for the east side was \$2.531 and \$1.184 per linear foot for the west side, an average total cost per linear foot of all sewers for 1903 of \$2.337.

Length of sewers, Division No. 2	4,184 feet
Length of sewers, Division No. 7	2,161 "
Length of sewers, Division No. 10	1,071 "
	<hr/>
	7,416 feet
Cost of sewers, Division No. 2	\$9,682.54
Cost of sewers, Division No. 7	6,379.31
Cost of sewers, Division No. 10	1,268.47
	<hr/>
	\$17,330.32
Average cost per foot, Division No. 2	\$2.338
Average cost per foot, Division No. 7	2.952
Average cost per foot, Division No. 10	1.184
Average total cost per foot, \$2.337.	

SUMMARY.

Total appropriation for new sewers	\$20,000.00
Received from sundry sources	13.50
	<hr/>
	\$20,013.50
Expended for new sewers, Division No. 2.....	\$9,682.54
Expended for new sewers, Division No. 7.....	6,379.31
Expended for new sewers, Division No. 10.....	1,268.47
Appropriation unexpended	1,042.38
Supplies on hand, city yard	1,640.80
	<hr/>
	\$20,013.50

The following tables show how the cost of new sewers has been divided.

SEWERS BUILT

LOCATION.	LIMITS.	Material.	Size in inches.	Length in feet, new.	Length in feet, relaid.
Ash.....	Salmon southerly.....	Akron.....	8	126	.....
Bay.....	Clarke northerly.....	".....	10	298	.....
Buzzell.....	Lowell northerly.....	".....	10	286	.....
Chestnut.....	Carpenter, northerly.....	".....	10	384	.....
Clarke.....	Elm to Bay.....	Portland..	15	328	.....
Hall.....	Auburn to Cedar south back.....	Akron.....	10	144	.....
Hall.....	At Spruce south back.....	".....	24	6	.....
Harvard.....	East of Wilson to Hall.....	".....	10	269	.....
Lowell.....	Beacon to Weston.....	".....	12	216	.....
Lowell.....	Beacon to Weston.....	".....	10	232	.....
Massabesic.....	East of Jewett easterly.....	".....	24	644	.....
Merrill.....	Jewett easterly.....	".....	10	332	.....
Merrill S. B.....	Pine to Union.....	".....	10	506	.....
Pleasant.....	Franklin westerly.....	".....	10	200	.....
Prout avenue.....	Hayward southerly.....	".....	10	462	.....
Riley avenue.....	South of Hayward southerly.....	".....	10	310	.....
Union.....	South of Hayward to Merrill S. B.....	Portland..	15	192	.....
Union.....	South of Hayward to Merrill S. B.....	".....	12	144	.....
Union.....	North of Clarke northerly.....	Akron.....	10	650	.....
Union.....	No. of Carpenter to No. of Trenton.....	".....	12	376	.....
Weston.....	Lowell southerly.....	".....	10	240	.....
				6345	.....

IN 1903. — EAST SIDE.

Manholes. Lampholes.	House Y's. Cesspool Y's.	Total cost.	Cost per foot.	When started.	When finished.	Average cut in feet.	Nature of excavation.
.. .. .	2	\$95.68	\$0.760	May 4	May 7	5.0	Gravel and ledge.
2 .. .	8 ..	873.71	2.931	May 9	July 7	8.2	" "
2 .. .	8 ..	337.03	1.178	April 30	May 4	6.75	Sand.
1 1 ..	13 1	1,561.47	4.066	June 1	July 29	7.0	Gravel and ledge.
1 .. .	12 ..	865.61	2.627	May 9	June 20	9.0	" "
1 .. .	4	142.32	.981	Oct. 7	Oct. 10	6.75	Gravel.
.. .. .	..	15.84	2.640	Nov. 6	Nov. 6	9.4	Sand.
1 .. .	10 2	345.65	1.284	Aug. 13	Aug. 20	9.0	"
1 .. .	8 2	359.56	1.618	Nov. 12	Nov. 28	7.0	Gravel.
1 .. .	6 1	350.52	1.511	Nov. 12	Nov. 28	7.0	"
4 .. .	5 ..	4,482.04	6.804	Aug. 1	Dec. 10	17.0	Gravel and ledge.
1 .. .	9 ..	619.12	1.864	May 8	June 10	7.2	" "
2 .. .	16 ..	511.52	1.011	April 1	May 8	9.0	Sand.
2 .. .	1 ..	398.61	1.443	Nov. 3	Nov. 10	11.5	Gravel and sand.
3 .. .	8 ..	652.33	1.412	Aug. 17	Sept. 10	7.7	Gravel and ledge.
1 .. .	5 ..	137.85	.444	May 16	May 31	.....	" "
1 .. .	6 ..	270.17	1.406	Apr. 25	May 17	11.1	Sand.
1 .. .	3 ..	230.00	1.597	Apr. 25	May 17	10.0	"
3 .. .	22 ..	1,867.75	2.873	Apr. 15	May 4	6.75	Gravel and ledge.
2 1 ..	11 ..	1,565.84	4.164	Mar. 16	Apr. 23	7.0	" "
1 .. .	8 1	379.27	1.580	Nov. 12	Nov. 28	10.0	Gravel.
31 2	159 13	\$16,061.89	\$2.531				

SEWERS BUILT

LOCATION.	LIMITS.	Material.	Size in inches.	Length in feet, new.	Length in feet, relaid.
Bismarck	Milford northerly.....	Akron.	12	162	.....
Bismarck	Milford, northerly.....	"	10	759	.....
Charleston avenue...	Rochelle avenue westerly	"	12	42	.....
Charleston avenue...	Rochelle avenue westerly	"	10	12	.....
Huntress.....	Prince southerly	"	10	62	.....
Walker.....	Turner westerly.....	"	10	34	.....
			.....	1071	.....

IN 1903.—WEST SIDE.

Manholes.	Lampholes.	House Y's.	Cesspool Y's.	Total cost.	Cost per foot.	When started.	When finished.	Average cut in feet.	Nature of excavation.
1	..	4	2	\$240.00	\$1.481	July 18	Sept. 2	8.25	Sand-gravel.
5	..	27	..	877.42	1.156	July 18	Sept. 2	8.25	"
1	..	....	1	39.38	.938	Aug. 6	Aug. 8	6.5	"
..	..	....	1	12.38	1.03	Aug. 6	Aug. 8	6.0	"
..	1	1	1	67.79	1.033	Sept. 3	Sept. 10	6.0	Sand.
1	..	....	2	31.52	.927	Aug. 9	Aug. 11	8.0	"
8	1	32	7	\$1,268.47	\$1.184				

BRIDGES AND CULVERTS.

Extensive repairs were made on the old Amoskeag bridge. The Robie Concrete company put down 944 square yards of concrete on McGregor bridge, and the five steel bridges in the outlying districts were treated to two coats of paint. A new bridge or culvert with an opening of twelve by seven feet was built over the Cemetery brook in Hall street. The abutment was built of granite laid in the best of Portland cement, while the roadway was made of steel girders covered with sixteen inches of cement concrete, making the whole one solid mass of iron, stone and cement. The foundation for a new bridge was built over Ray brook in Adams street all completed for the roadway which will be put on next spring.

All the bridges of the city are in good condition excepting the old wooden bridge now standing over the Cohas brook in the Harvey district. The foundation is in a dangerous condition and should be rebuilt the coming season.

Appropriation	\$6,000.00
Overdrawn	809.48
	<hr/>
	\$6,809.48
Bridge company	\$323.00
Lumber	3,404.78
Hardware	107.27
Stone work	287.30
Iron work	3.50
Cement	336.00
Concrete	472.00
Coal	81.77
Labor	1,761.63
Incidentals	32.23
	<hr/>
	\$6,809.48

SCAVENGER SERVICE.

The following is a summary account of scavenger service for the year:

Appropriation	\$15,000.00
Overdrawn	3,288.45
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	\$18,288.45
Labor	\$15,301.97
City farm	2,124.93
Repairs	78.18
Hay and grain	439.74
Horses	269.25
Incidentals	74.38
	<hr/>
	\$18,288.45

SNOW AND ICE ACCOUNT.

DIVISION.		January.	February.	March.	November.	December.	Total.
Division No.	2.....	\$1,113.15	\$924.11	\$173.53	.....	\$197.95	\$2,408.74
" "	4.....	.....	69.00	.....	.....	.....	69.00
" "	5.....	.....	16.50	.....	.....	.....	16.50
" "	7.....	145.75	135.25	58.00	.....	6.00	345.00
" "	8.....	.....	.....	13.00	.....	.....	13.00
" "	9.....	.....	.....	24.87	.....	.....	24.87
" "	10.....	643.37	820.75	204.36	70.67	95.87	1,835.02
Totals.....	.....	\$1,902.27	\$1,965.61	\$473.76	\$70.67	\$299.82	\$4,712.13

Appropriation	\$4,500.00
Overdrawn	236.45
	<hr/>
	\$4,736.45
Labor	\$4,712.13
Supplies	24.32
	<hr/>
	\$4,736.45
	<hr/> <hr/>

CONCRETE WORK DONE BY THE ROBIE CONSOLIDATED CON-
CRETE COMPANY.

STREET CROSSINGS (new).

LOCATION.	Square yards.	Price per yard.	Total cost.
Albert and Harrison	26.538	\$0.75	\$19.903
Auburn and Wilson	34.	.75	25.50
Amory and Columbus	30.222	.75	22.66
Beech and Salmon	26.666	.75	19.998
Brown avenue and Hancock	34.666	.75	25.998
Beech and Cedar	58.231	.75	43.673
Cartier and Adams	30.802	.75	23.101
Cedar and Beech	57.395	.75	43.045
Grove and Union	30.222	.75	22.665
Grove and Beech	30.222	.75	22.665
Hall and Merrimack	19.311	.75	14.48
Merrimack and Hall	25.6	.75	19.20
Maple and Lowell	32.3	.75	24.225
Prospect and Russell	29.244	.35	10.20
Prospect and Oak	25.77	.75	19.32
Russell and Prospect	64.933	.35	22.72
Sagamore and Beech	23.111	.75	17.331
Silver and Belmont	28.622	.75	21.46
Union and Grove	30.666	.75	22.998
Webster and Walnut	30.	.75	22.50
Webster and Union	29.244	.75	21.933
Webster and Ray	27.466	.75	20.599
Walnut and Webster	30.886	.75	23.164
Total	756.12	.....	\$529.37

STREET CROSSINGS (Repaired).

LOCATION.	Square yards.	Price per yard.	Total cost.
Ash and Lowell	4.816	\$0.50	\$2.408
Auburn and Wilson	34.	.60	20.40
Bridge and Chestnut	4.33	.75	3.24
Beech and Merrimack	5.866	.75	4.399
Beech and Merrimack	21.155	.50	10.577
Concord and Elm	37.1	.50	18.550
Chestnut and High	29.155	.60	17.493
Chestnut and Lowell	32.111	.75	24.083
Church and Lowell	13.055	.50	6.527
Central and Wilson	18.666	.60	11.19
Franklin back and West Central	16.	.50	8.00
Franklin and depot	24.	.60	14.40
Fourth and Walker	17.333	.50	8.666
Fourth and Walker	6.5	.75	4.875
George and Milford	6.716	.50	3.35
Lowell and Church	29.972	.60	17.983
Lowell and Pine	5.833	.75	4.37
Lowell and Pine	11.388	.75	8.541
Marion and McGregor	6.666	.50	3.333
Merrimack and Pine	1.888	.75	14.16
Merrimack and Pine	25.333	.50	12.666
Merrimack and Union	90.658	.50	45.32
McGregor	3.8	.50	1.90
Manhattan Lane and Lake avenue	6.222	.75	4.666
Merrimack and Beech	11.8	.50	5.90
Nutfield Lane and Amherst	13.	.50	6.50
Nutfield Lane and Manchester	24.577	.50	12.288
Pine and Orange	4.77	.50	2.38
Prospect and Oak	6.311	.75	4.73
Pine and Lowell	18.933	.50	9.46
Pine and Lowell	1.666	.75	12.48
Pine and Merrimack	6.88	.75	5.160
Prospect and Russell			
Total	540.50	.....	\$330.00

NEW SIDEWALKS.

LOCATION.	Square yards.	Price per yard.	Total cost.
Beech and Webster	75.518	\$0.50	\$37.76
Beech and Sagamore	62.777	.50	31.38
Dubuque back and Amory	6.894	.75	5.16
Prospect and Russell	107.756	.50	53.87
Prospect and Russell	8.533	.65	5.54
Prospect and Russell	55.307	.75	41.47
Russell and Prospect	32.066	.50	16.03
Russell and Prospect	36.832	.75	27.62
Union, No. 619	16.583	.50	8.29
Total	402.27	.....	\$227.12

SIDEWALKS REPAIRED.

LOCATION.	Square yards.	Price per yard.	Total cost.
Beaumont and Kelley.....	12.622	\$0.50	\$6.31
Cartier, opposite Adams.....	2.08	.50	1.04
Columbus and Amory.....	10.666	.35	3.72
Grove, No. 280.....	12.166	.50	6.083
Harrison and Ash.....	11.760	.50	5.888
Harrison and Beech.....	10.027	.50	5.013
Lowell and Ash.....	13.194	.50	6.596
Maple and Pearl.....	8.473	.50	4.236
Milford and McGregor.....	1.777	.25	.44
Milford and George.....	4.222	.25	1.05
Pine and Bridge.....	30.965	.25	7.740
Pearl and Oak.....	6.222	.50	3.111
Prospect and Russell.....	15.155	.50	7.577
Prospect and Walnut.....	10.872	.50	5.436
Prospect and Linden.....	55.4	.50	27.70
Prospect and Russell.....	25.02	.25	6.25
Laurel, No. 81.....	.888	.50	.44
Russell and Prospect.....	29.333	.35	10.26
Russell and Prospect.....	4.277	.25	1.06
West Central and Canal.....	325.888	.30	97.76
Webster and Ray.....	3.32	.50	1.66
Total.....	594.33	.....	\$215.53

DRIVEWAYS (Repaired).

LOCATION.	Square yards.	Price per yard.	Total cost.
Prospect west of Russell, Dunlap and Edgerly.	94.311	\$0.65	\$61.302

SIDEWALKS (repaired), COMMONS.

LOCATION.	Square yards.	Per yard.	Cost.
MERRIMACK COMMON.			
At monument	337.2	\$0.25	\$84.30
Monument to southeast corner	55.9	.25	13.97
Monument to Merrimack street, opposite Manchester House	181.	.25	45.25
Northeast corner	43.43	.25	10.85
Southeast corner	11.333	.25	2.83
Monument to southwest corner	56.	.25	14.00
PARK COMMON.			
Spruce street, west gate easterly	80.88	.25	20.22
Northeast corner to southeast corner	592.611	.25	148.15
Junction of all walks near fountain	8.333	.25	2.08
From fountain, westerly	101.	.25	25.25
Walk east and west	55.	.25	13.75
West side Spruce, towards southeast corner	104.	.25	26.00
CONCORD COMMON.			
East side common, Amherst to Concord	227.66	.25	56.91
Total	1,854.35	.....	\$463.56

STREET PAVING (new).

LOCATION.	Square yards.	Per yard.	Cost.
Chestnut and Bridge	59.910	\$0.75	\$44.931
Marion, west of McGregor	13.333	.75	9.99
McGregor bridge, west end	944.	.50	472.00
Total	1,017.24	.....	\$526.92

STREET PAVING (repairs).

LOCATION.	Square yards.	Per yard.	Cost.
Amherst, from Vine to Nutfield lane	502.807	\$0.50	\$251.403
Chestnut, from Hanover to Amherst	556.666	.50	278.33
Lake avenue and Massabesic	25.111	.50	12.55
Merrimack, east of Beech	1.333	.75	.999
Vine, from Amherst to Concord	393.221	.50	196.610
Total	1,479.138	.....	\$739.892

GUTTERS (new).

LOCATION.	Square yards.	Per yard.	Cost.
Prospect, north side of Russell, west	39.533	\$0.35	\$13.84

Report of Division No. 10.

GEORGE P. AMES, AGENT.

REPAIRS OF HIGHWAYS.

STREETS TOP-DRESSED WITH GRAVEL AND STONE CHIPS.

LOCATION.	No. of feet.	No. of loads.	Labor.
Amory	350	111	\$72.00
Amory	100	15	34.40
Beauport..	225	37	42.50
Blaine.....	750	217	294.25
Clinton.....	370	53	52.27
Coolidge avenue.....	125	29	25.50
Douglas.....	150	19	30.50
Dover.....	115	16	26.00
Eddy Hill.....	1,200	285	262.75
Fourth.....	425	126	116.50
Goffstown road.....	2,450	179	155.50
Mast road.....	325	47	54.50
McGregor.....	138	17	34.40
North Main.....	3,700	229	425.90
Railroad.....	200	.	20.00
School.....	350	38	40.50
South Main.....	900	108	156.50
Third.....	225	112	106.50
Walker.....	2,160	646	604.90
West Bridge.....	338	67	124.25
Total.....	14,596	2,349	\$2,679.62

STREETS PATCHED.

LOCATION.	No. of loads.	Labor.
Amory	30	\$56.83
Amory extension.....	38	48.50
Adams and Beauport	13	12.50
Beauport.....	9	21.84
Boynton.....	32	47.00
Cartier	10	9.00
Clinton.....	5	10.00
Donald.....	5	14.00
Dubuque.....	10	10.00
Granite	40	30.50
Joliette.....	18	20.50
Kelley	41	59.33
Milford	36	37.75
Mast road	58	48.50
McGregor	5	8.00
North Main.....	35	40.25
River.....	10	9.50
Second.....	9	10.00
South Main.....	6	5.10
West Bridge.....	3	5.00
Total.....	413	\$504.10

STREETS TURNPIKED WITH ROAD MACHINE

Bath	238 feet
Barr	238 "
Blaine	750 "
Conant	910 "
Dunbarton road	11,360 "
Dartmouth	910 "
Donald	560 "
Eddy road	3,918 "
Goff	462 "
Green	238 "
Hancock	1,400 "
Glenwood	532 "
Hooksett road	7,140 "
Mast road	798 "
New Mast	560 "
River road	980 "
Second	9,194 "
Schiller	372 "
Straw road	5,110 "
South Main	4,298 "
Turner	740 "
Quincy	238 "

50,946 feet

Total, 50,946 feet, or 9.64 miles.

Labor, \$232.50.

Whitewashing trees and fences	\$38.00
Cleaning crossings, picking stones	261.25
Cleaning gutters	662.37
Cutting brush	47.12
	\$1,008.74

MATERIALS USED ON STREETS.

Gravel	1,139 loads
Clay	874 "
Crushed stone	874 "
	2,887 loads
Expense of running crusher	\$1,165.05

NEW CESSPOOLS.

LOCATION.	No.	Cost of material.	Labor.
Bath back street	1	\$59.90	\$90.50
Blaine	1	39.22	26.50
Charleston avenue	2	66.79	46.50
Dubuque and Bath	1	91.56	132.00
Fourth	1	20.18	18.75
Kelley and Dubuque	1	21.44	24.75
Mast road	3	69.18	45.00
South Main	2	38.82	28.50
Walker and Turner	2	69.40	56.50
Walker and Fourth	2	86.15	77.00
Total	16	\$562.64	\$546.00

REPAIRED CESSPOOLS.

LOCATION.	No.	Cost of material.	Labor.
Barr and Douglas	1	.....	\$2.50
Fourth	1	\$2.45	3.50
Hancock and River	1	3.80	4.25
Johette and Amory	1	2.00	2.50
McGregor	1	1.67	2.50
McGregor	1	.....	4.25
South Main	3	12.29	5.00
Walker and Second	2	11.25	7.50
Walker	3	19.60	12.50
Total	14	\$53.06	\$44.50

NEW STREETS.

LOCATION.	Length.	Cut or fill.	Labor.
Charleston avenue.....	100 x 18 x 1	Fill.	.....
“	100 x 18 x 6	Top dress.	.....
“	187 x 8 x 1	Cut.	\$50.00
“	125 x 6 x 1	Fill.	.....
“	100 x 6 x 1	Cut.	20.00
Mast road	100 x 18 x 6	Fill.	.....
“	88 x 11 x 6	“	.....
“	45 x 40 x 10	“	40.75
	845 ft. long.	.....	\$110.75

GRADE FOR CONCRETE.

LOCATION.	Length in feet.	Width in feet.	Cut or fill.	Labor.
Beauport	350	11	Fill.	\$78.00
Bartlett	83	10	“	19.25
Conant	100	8	Cut.	7.00
Coolidge.....	375	8	Fill.	40.00
Cartier	114	8	“	10.00
Fourth	450	8	“	26.50
Joliette	150	8	Cut.	16.00
Walker.....	480	8	Fill.	43.25
Total.....	2,102	.....	.....	\$240.00

PAVING STREETS.

LOCATION.	Length in feet.	Loads of stone.	Labor.
Beauport.....	508	20	\$40.00
Boynton.....	53	2	10.50
Charleston avenue	614	22	100.25
Fourth	820	19	126.00
Ferry.....	250	10	46.50
George.....	175	7	33.75
Green.....	110	5	18.50
Joliette	208	8	40.50
Kelley.....	220	8	37.00
Mast road.....	168	6	28.50
Walker.....	2,158	58	36.00
Wayne	47	2	8.50
Wheelock.....	40	2	16.12
Total.....	5,371	161	\$551.12

PAVING RELAID.

LOCATION.	Length in feet.	Labor.
Amory	200	\$37.50
Blaine		3.50
Cartier		2.00
Coolidge avenue		15.00
Granite		2.00
McGregor		3.75
North Main		3.75
South Main	150	16.50
Second		4.00
Wayne	204	36.50
Walker and South Main		5.00
Wilton		2.00
Total	554	\$131.50

EDGESTONES SET.

LOCATION.	No. of feet.	Labor.
Amory	238	\$35.50
Beauport	504	48.12
Bremer	50	26.50
Charleston avenue	36	16.00
Coolidge avenue	363	67.75
Cartier	115	24.25
George	14	10.50
Green and Conant	14	5.00
Hancock and Wheelock	15	7.75
Joliette	80	9.00
Joliette and Amory	14	5.00
Kelley and Dubuque	15	5.25
Prince and Boynton	16	15.00
Prince and Boynton	15	7.75
South Main	130	16.25
Walker and Fourth	60	28.25
Wayne	218	32.25
Total	1,897	\$360.12

EDGESTONES RESET.

LOCATION.	No. of feet.	Labor.
Cartier	50	\$8.50
North Main	180	14.50
Wayne	30	4.00
Total	260	\$27.00

CLEANING CESSPOOLS.

April	\$122.12
June	103.25
October	250.62
December	8.75
Total charged to repairs of sewers	\$484.74

Repaired watering trough on Mast road.	
Labor charged to watering streets	\$15.75

Division No. 7.

CHARLES FRANCIS, AGENT.

GUTTERS PAVED.

LOCATION.	Feet.	Labor.
Auburn from Wilson east	1,220	\$143.35
Belmont from Somerville north	600	70.50
Bell from Wilson east	820	96.00
Somerville from Jewett to Cypress	780	88.65
Silver west of Belmont	300	35.35
Summer at Dearborn	50	9.36
Total	3,770	\$443.21

EDGESTONES SET.

LOCATION.	Feet.
Auburn from Wilson	160
Massabesic street	44
Massabesic from Boshier	100
Summer and Dearborn	50
Total	354

NEW HIGHWAYS.

LOCATION.	
Harvard from Hall to Belmont.....	

CULVERTS.

LOCATION.	Kind.	Length.
Bell street	1 pipe.	50 ft. 12 in.
Platts avenue.....	1 stone	34 ft. 15 in. x 12 in.
Revere avenue.....	1 pipe	50 ft. 15 in.

MACADAMIZING STREETS.

LOCATION.	Length in feet.	Width in feet.
Bell from Wilson east.....	300	28
Wilson from Valley south.....	200	16
Total	500	44

CESSPOOLS.

LOCATION.	No.	Cost. Material.	Cost. Labor.
Belmont and Silver	4	\$86.56	\$55.00
Hall and Auburn.....	4	83.32	45.00
Totals.....	8	\$169.88	\$100.00

STONES SET.

LOCATION.	Circles.	Stones.
Harvard and Belmont	2	24 feet 8 inches.
Hayward and Jewett	1	14 " "
Jewett and Somerville.....	2	28 " 8 "
Somerville and Cypress	2	28 " 9 "
Somerville and Belmont.....	2	29 " "
Silver and Belmont	1	14 " 6 "
Totals	10	139 feet 7 inches.

The following shows the location, cost per average foot and total cost of the sewers built in East Manchester during the past year:

SEWERS.

LOCATION.	Length in feet.	Cost per foot.	Total cost.
Hall, Auburn to Cedar south back	144	\$0.981	\$142.32
Harvard, east of Wilson to Hall	209	1.284	345.65
Massabesic, east of Jewett.....	644	6.804	4,382.04
Merrill from Jewett, east.....	332	1.864	619.12
Prout avenue, south of Hayward.....	462	1.412	652.33
Riley avenue, south of Hayward	310	.444	137.85
Totals	2,161	\$2.952	\$6,379.31

Division No. 4.

BYRON MOORE, AGENT.

The bridge at Little Cohas brook has been replanked and put in good condition.

There has been about thirty-five rods of fence built in the district during the year.

The district has been repaired and kept free from stone.

Total amount expended, \$251.75.

Division No. 5.

MARK E. HARVEY, AGENT.

Removed loose stones from all roads in the division once a month during the season.

Repaired all water bars and made all general repairs where needed.

Broke out all roads after each snowstorm.

Rebuilt two plank culverts on South road, 15 x 15 inches.

Cut bushes on one and one-half miles of road.

Turnpiked 9,000 feet of road.

Graveled 3,150 feet of road.

Total amount expended, \$411.12.

Division No. 8.

A. J. GALE, AGENT.

Widened Page street from Hanover to Bridge-street extension.

Blasted and lowered Page-street hill three feet.

Dug out Proctor hill and filled with stone, 100 loads used for paving 150 feet of gutters.

Graveled Hanover street and used 110 loads; Candia road, used 80 loads, and Lake Shore road and used 10 loads.

Ploughed and turnpiked Broadway avenue from Hanover street to Sherburn.

Cleaned and relaid Hanover-street culvert, and Bridge-street extension culvert.

Ploughed and turnpiked Bridge-street extension.

Removed all small stones from roads.

Roads broken out after storms during winter months.

Total amount expended for labor during the year, \$905.63.

Division No. 9.

LESTER C. PAIGE, AGENT.

Graveled 45 rods on Derry road.

Graveled 90 rods on Mammoth road.

Ploughed and turnpiked 23 rods on Derry road.

Ploughed and turnpiked 10 rods on Paige road.

Used 367 loads of gravel during the season.

The bridge over Cohas brook on Mammoth road was planked new throughout and the one on Derry road was patched.

Bushes have been cut, stones removed from roads, culverts repaired and all general repairs attended to throughout the district.

Roads have been broken out after snowstorms and kept in a passable condition during the winter months.

Total amount expended, \$444.50.

Division No. 12.

EUGENE LIBBEY, AGENT.

All general repairs attended to throughout the district.

Total amount expended during the year, \$490.50.

Parks and Commons.

JOHN SEASTROM, AGENT.

The public squares of the city have received the usual amount of care. Additional seats were placed in position and the old seats repaired and repainted. The flower beds were renewed and trees and shrubs set out to take the place of any that had died during the season.

The small ponds were kept free from snow and flooded as often as necessary, where the children enjoyed good skating. The expense is small as the labor is done by the regular men employed in the parks

and commons. There are nine ponds maintained, situated as follows: Merrimack, three; Park and Tremont, two each; Hanover and Concord, one each.

Extensive improvements were made at Lafayette park which came into possession of the city through the generosity of the Amoskeag Manufacturing company. Edgestones were set, gutters paved and concrete walks laid on the sides of the park and a commencement made in grading the same. Total amount expended, \$1,000.00.

At Derryfield park a new barn was erected for the storage of hay at a cost of about \$800, also the old pound was rebuilt, making the old landmark now presentable to those visiting the park.

There was 1,600 feet of cobble gutter laid in Stark park and the roadway was repaired so that now it is in good condition.

COMMONS.

Appropriation	\$4,500.00
Received for band stand and sundry sources	56.00
	<hr/>
	\$4,556.00

Labor	\$2,374.07	
Water works	700.00	
Grass seed	10.99	
Shrubs and flowers	372.00	
Lumber	28.74	
Hardware	63.01	
Lights	44.01	
Plumbing repairs	53.04	
Oil and paint	28.55	
Concrete	463.56	
Fertilizer	56.00	
General repairs	82.69	
Incidentals	175.74	
	<hr/>	4,452.40
Transferred to reserve fund		\$103.60

DERRYFIELD PARK.

Appropriation	\$1,000.00	
Labor	\$567.63	
Insurance	11.75	
Grass seed	2.71	
Repairs .....	.80
Water works	24.00	
One-half expense building barn	378.00	
	<hr/>	984.89
Transferred to reserve fund		\$15.11

STARK PARK.

Appropriation		\$1,000.00
Labor	\$514.75	
Water works	12.00	
One-half expense building barn	378.00	
	<hr/>	904.75
Transferred to reserve fund		<hr/> \$95.25

SOUTH END PLAYGROUND.

Appropriation		\$75.00
Labor	\$46.50	
Hardware	6.70	
Lumber	11.60	
Incidentals	2.00	
	<hr/>	66.80
Transferred to reserve fund		<hr/> \$8.20

NORTH END PLAYGROUND.

Appropriation		\$75.00
Labor		79.25
		<hr/>
Overdrawn		\$4.25

LAFAYETTE PARK.

Appropriation		\$1,000.00
Labor	\$318.20	
Stone work	321.20	
Concrete	360.60	
	<hr/>	\$1,000.00

RIDDLE PLAYGROUND.

Appropriation		\$50.00
Labor		50.00

We desire to thank His Honor, Mayor Reed, and each member of the city government, as well as all others for courtesies granted. To all our assistants, whatever their stations, we also extend thanks for the ability and interest they have shown in the work of the department.

Respectfully submitted,

HORACE P. SIMPSON,
GEORGE H. STEARNS,
BYRON WORTHEN,

Board of Street and Park Commissioners.

JANUARY 1, 1904.

REPORT
OF THE
ENGINEER'S DEPARTMENT.



REPORT OF THE ENGINEER'S DEPARTMENT.

OFFICE OF THE CITY ENGINEER,
 MANCHESTER, N. H., December 31, 1903.

To the Honorable Mayor and City Councils:

GENTLEMEN,—The twenty-fifth annual report of the city engineer is herewith submitted, showing the expenditures and operations of the engineer's department for the year ending December 31, 1903.

OFFICE.

Nine assistants have been employed in this department during the year 1903: Harrie M. Young, George W. Wales, Harry J. Briggs, Alfred T. Dodge, Henry A. Worthen, Ella Barker Davis, stenographer and typewriter; Hallet R. Robbins from June 16 to September 26; Lawrence O'Connor from July 1 to September 5; Harold B. Cleworth from August 19 to August 22, from September 8 to September 16, and September 23.

FINANCIAL.

E. A. STRATTON.

1902.			
Dec. 15.	To 2 reams paper, No. 27		\$2.20
1903.			
Aug. 17.	To 1 E 13½ unit No. 298 Wernicke bookcase	\$4.50	
	1 E 13½ comb. No. 298 Wernicke bookcase	4.75	
	1 D 10¼ comb. Wernicke book- case	3.00	
	1 D Ex. top Wernicke bookcase	1.75	
		<hr/>	\$14.00
Dec. 23.	4 D 12¼ unit No. 298 Wernicke bookcase @ \$3.25	\$13.00	
	bottle paste .....	.40	
		<hr/>	\$13.40

W. P. GOODMAN.

1902.			
Dec. 27.	To 1 lot carbon paper		\$0.50
1903.			
Jan. 24.	To diary	\$1.00	
Feb. 2.	1 gross pens .....	.90	
	4 dozen typewriter covers ....	.32	
17.	½ dozen erasers .....	.25	
		<hr/>	\$2.47

Mar.	30.	To	½ dozen erasers	\$0.25	
June	25.		300 catalogue envelopes .....	.90	
	26.		1 copy Trautwine's Civil Engineer's pocket book	5.00	
					<u>\$6.15</u>
July	21.		1 box typewriter paper .....		.90
Dec.	18.		1 box typewriter paper	\$0.90	
			1 box typewriter paper .....	.85	
			pencil tips	1.50	
			4 dozen carbon paper	1.80	
	19.		1 box typewriter paper	1.50	
			9 dozen Koh-i-noor pencils	9.00	
			2 ½ dozen Higgins drawing ink	7.50	
					<u>\$23.05</u>
JOHN B. VARICK CO.					
1902.					
Dec.	30.	To	1 6 inch by ½ inch lag screw	\$0.03	
			1 ½-inch lead sleeve .....	.08	
					<u>\$0.11</u>
1903.					
Jan.	31.		1 pair No. 792 5 x 7 brackets.....		\$0.10
April	23.		2¾ pounds cotton rope @ 20c.	\$0.55	
			1 box No. 14 D. P. staple tacks	.05	
					<u>\$0.60</u>
May	20.		1 103 D. steel tape	\$3.21	
			2 pr. rings for tape @ .50c.....	1.00	
			1 pr. rings for chain tape .....	.50	
					<u>\$4.71</u>
			1 tape repaired, no charge.		
Aug.	8.		1 fountain pen		3.50
Nov.	17.		½ doz. No. 84 special rules @ \$3.50 per doz.		1.75
Dec.	17.		2 plumb bobs @ 35c.....	\$0.76	
			2 plumb bobs @ \$1.00.....	2.00	
			1 plumb bob .....	.90	
			3 steel engineer's scales @ \$2.00	6.00	
			1 50-foot Lufkin tape	3.00	
			1 5 x 7 kodak	35.00	
			2 12 ex. films @ \$1.60.....	3.20	
			12 6 ex. films @ .80c.....	9.60	
			1 developing machine	10.00	
			1 tripod	2.00	
			2 wheels for truck @ 25c.....	.50	
			1 store truck	1.25	
			developing films .....	.80	
			24 prints	2.40	
	18.		1 pantagraph	4.00	
			beam compass bars 24 inch @		
			20c.; 36 inch @ 30c.; 48 inch		
			@ 40c.; 60 inch @ 55c.....	1.45	

Dec. 18.	To 1 head for Deane No. 1 unlimited T square	\$1.75	
			\$84.61

HARRISON D. LORD.

1901.			
June	To use of horse, 5 days @ \$1.00 per day	\$5.00	
Nov.	By second-hand harness	5.00	
1903.			
June	To use of horse, 5 days at \$1.00 per day		\$5.00

J. ARTHUR WILLIAMS.

1903.			
Jan.	To cutting and blocking paper	\$1.50	
Feb.	cutting and blocking paper ....	.75	
			\$2.25
Mar. 30.	500 blanks	\$1.25	
	400-page copy book	2.00	
			\$3.25

TEMPLE & FARRINGTON COMPANY.

1903.			
Jan. 5.	To 1 sheet pulpboard	\$0.08	
16.	binding 1 vol. sewer committee reports, 1902 .....	.85	
	binding 1 time book, Eng. Dept., 1901 .....	.85	
	binding 1 vol. street commissioner's report, 1902 .....	.85	
Feb. 6.	1 Eng. Dept. order book, No. 6591	8.50	
16.	binding 1 vol. time book, Eng. Dept., 1902 .....	.87	
			\$12.00
Feb. 24.	250 sheets Weston Imp. @ \$27.00 per ream	\$14.06	
Mar. 3.	binding 1 book .....	.87	
May 5.	24 blank books, No. 6656, @ 75c.	18.00	
			\$32.93
June 12.	rebinding 2 transit field books, Nos. 1 and 2, @ 50c.....	\$1.00	
16.	rebinding 2 transit field books, Nos. 3 and 4, @ 50c.....	1.00	
19.	rebinding 2 transit field books, Nos. 5 and 6, @ 50c.....	1.00	
23.	rebinding 2 transit field books, Nos. 7 and 8, @ 50c.....	1.00	

June	25.	To rebinding 2 transit field books, Nos. 9 and 10, @ 50c	\$1.00	
	29.	rebinding 2 transit field books, Nos. 11 and 12, @ 50c.....	1.00	
July	2.	rebinding 2 transit field books, Nos. 13 and 14, @ 50c.....	1.00	
	23.	rebinding 2 transit field books, Nos. 15 and 16, @ 50c.....	1.00	
	25.	rebinding 6 transit field books, Nos. 17, 18, 19, 20, 21, and 22, @ 50c	3.00	
			<hr/>	\$11.00
Dec.	21.	binding 1 vol. plans.....	\$6.50	
		rebinding 2 books @ 50c.....	1.00	
		6 loose calfskin covers @ \$1.00	6.00	
			<hr/>	\$13.50

MANCHESTER HARDWARE COMPANY.

1903.

Jan.	7.	To 6 awning cleats @ 5c.....	\$0.30	
		1½ lbs. sash cord, No. 7, @ 22c.	.33	
			<hr/>	\$0.63
Mar.	30.	1,200 brass N. P. numbers @ \$3.10 per hundred	\$37.20	
April	2.	1 ball B. C. twine .....	.10	
			<hr/>	\$37.30
Oct.	17.	10 lbs. No. 16 wire nails @ 3½c. per lb.....		\$0.35
Nov.	25.	1 dozen brass screw hooks, ½...	\$0.10	
		1 doz. brass screw hooks, 1....	.15	
		½ doz. brass screws, assorted, 1¼ and 1½ .....	.10	
Dec.	5.	½ doz. brass cup hooks, 1½ @ 20c .....	.10	
		½ doz. brass square bend hooks, 1½ @ 20c.....	.10	
		½ doz. brass square bend hooks, ¾ @ 12c.....	.06	
		½ doz. brass square bend hooks, ½ @ 10c.....	.05	
	7.	10 lbs. 16 wire nails @ 3½c....	.35	
	17.	5 lbs. 16 wire nails @ 3½c....	.18	
			<hr/>	\$1.19

W. & L. E. GURLEY, NEW YORK.

1903.

Feb.	2.	To 1 No. 514 14-foot telemeter.....		\$13.00
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GEORGE W. DODGE SHOE COMPANY.

1903.			
Feb. 6.	To	1 pair rubber boots	\$3.25
April 6.		1 pair storm rubber boots	4.00

E. G. SOLTMANN, NEW YORK.

1903.			
Feb. 20.	To	2 4-pound boxes "Monarch" stake tacks @ \$1.49 per box..	\$2.98
		express .....	.50
27.		1 50-yard roll "Dragon" blue print paper	4.25
		express .....	.45
			<hr/>
			\$8.18
Mar. 20.		50-yard, 36-inch "Dragon" blue print paper	4.25
April 3.		1 50-foot "Little Victoria" tape	\$3.95
		1 100-foot "Phoenix" tape.....	5.95
		6 doz. "Koh-i-noor" pencils	5.06
		2 Higgins ink .....	.50
			<hr/>
			\$15.46
Dec. 18.		1 roll 37-inch "Par Excellence" tracing cloth	\$5.70
		11 yards cross section paper...	2.97
		1 44-yard roll 57-inch "Monarch" tracing paper	3.50
		50 yards 48-inch "Victor" detail paper	2.80
		50 yards 40-inch "Victor" detail paper	2.40
		3 yard roll 72-inch "Par Excel- lence" drawing paper, mount- ed @ \$2.20.....	6.60
		10 yards 36-inch "Congress" blue print paper	1.00
		10 yards 36-inch "Leo" blue print paper	1.20
		10 yards 36-inch "Dragon" blue print paper	1.10
		3 bottles crystalline ink @ 15c.	.45
		5 yards photolene blue print paper	1.00
		1 "Monarch" slate ink stone, 5-inch .....	.60
		2 "Monarch" slate ink stones, 3¼-inch, @ 30c.....	.60
		1 stick "Atlas" Chinese ink	1.88
		1 bottle "Keystone" waterproof solution .....	.25

Dec. 18.	To 1 drawing table, stand and board	\$35.00	
		\$37.05	
	Discount 2 per cent on \$32.05.....	.64	
			\$66.41

WHITING & THOMSON, BOSTON.

1903.			
Feb. 21.	To 1 cleantype brush		\$2.00

NEW ENGLAND TELEPHONE & TELEGRAPH COMPANY.

1903.			
Mar.	For exchange service, including rental of telephone for (S. J. Lord residence) 3 months ending March 31, 1903.....		\$6.25
	exchange service, including rental of telephone for 3 months ending June 30, 1903		6.25
July 25.	exchange service, including rental of telephone for 3 months ending September 30, 1903		6.25
July 31.	tolls, city engineer's office	\$0.60	
	tolls, city engineer's office, December, 1902 .....	.20	
	tolls, city engineer's office, February, 1903 .....	.15	
	tolls, city engineer's office, March, 1903	1.36	
		\$2.31	
July 13.	Rebate on main .....	.10	\$2.21
Oct.	For exchange service, including rental of telephone for 3 months ending December 31, 1903		6.25
Nov.	tolls October, 1903	\$0.42	
	bill rendered August, 1903 ....	.90	
			\$1.32
	exchange service, including rental of telephone for 3 months ending March 31, 1904	\$6.25	
	tolls .....	.25	
			\$6.50

PNEUMATIC HAND STAMP COMPANY, BOSTON.

1903.			
Mar. 2.	To 1 oval stamp, less 25 per cent discount	\$1.32	
	mailing expense .....	.05	
			\$1.37

J. J. ABBOTT.

1903.				
Mar.	6	To 5 pounds paste	\$0.15	
		1 brush .....	.25	
	23.	1 can G. C. P. vermilion .....	.45	
		1-8 gallon turpentine .....	.10	
			<hr/>	\$0.95

CARL STRAUSS.

1903.				
Mar.	7.	To 1 extra wheel for German pen- cil pointer	\$2.00	
		mail .....	.10	
			<hr/>	\$2.10

FRANK S. BODWELL.

1903.				
April	25.	To 100 stone bounds @ \$1.40.....		\$140.00

HEAD & DOWST COMPANY.

1903.				
May	23.	To 2,000 2-foot pine grade stakes @ \$6.00 per M.....	\$12.00	
		3,000 2-foot maple, birch grade stakes @ \$6.00 per M.....	18.00	
		300 4-foot spruce grade stakes @ \$32.50 per M.....	9.75	
		250 18-inch hubs @ \$12.50 per M.	3.13	
			<hr/>	\$42.88
Dec.	23.	To 50 feet pine @ 35c	\$1.75	
		16 feet whitewood @ 60c.....	.96	
		working	1.20	
			<hr/>	\$3.91

YAWMAN & ERBE MANUFACTURING COMPANY, BOSTON.

1903.				
June	16.	To 2,000 No. 200 "B." buff, 6 x 4 cards, F. R., ptd.		\$7.50
	22.	1 special oak base with lock (for card index cabinet)	\$20.00	
		By repairs to drawers	2.50	
			<hr/>	\$17.50

ALFRED K. HOBBS.

1903.				
June	23.	To 10 feet 5-16 heavy rubber tubing (for gas stove) @ 10c. per foot		\$1.00

J. G. JONES.

1903.				
July	7.	To trucking card index cabinet base to city engineer's office from freight depot....		\$0.35

PIKE & HEALD COMPANY.

1903.				
July	9.	To 14 ¼-inch plugs @ 2c.....	\$0.28	
		14 hours labor on hydrants @ 35c.	4.90	
			<hr/>	\$5.18
Sept.	26.	8 ¼-inch plugs @ 2c.....	\$0.16	
		11½ hours labor on hydrants @ 35c.	4.03	
			<hr/>	\$4.19

REMY BECHARD.

1903.				
July	11.	To 58/65 of engineer's department reports (68 pages including cover, 350 copies) @ 75c. per page		\$43.50

C. L. BERGER & SONS, BOSTON.

1903.				
July	16.	To repairing, cleaning and adjust- ing one Berger engineer's leveling instrument, 11 hours' labor @ 60c. per hour	\$6.60	
		express charges paid when re- ceived .....	.40	
			<hr/>	\$7.00

HARRY A. PIPER.

1903.				
Aug.	5.	To 150 street signboards @ 8c.....		\$12.00
Dec.	25.	50 street signboards @ 8c.....		\$4.00

CHARLES H. WOOD.

1903.				
April	25.	To painting street signs, Beech street, Brown avenue @ 25c.		\$0.50
July	14.	painting 43 street signs @ 25c.....		10.75
Aug.	22.	painting 72 street signs @ 25c.....		18.00
Oct.	24.	painting 188 street signs @ 25c.....		47.00
Dec.	26.	painting 82 street signs @ 25c.....		20.50

H. L. GOULD.

1903.				
Dec.	14.	To weekly hydrant bench mark report.....		\$12.00

BYRON E. FINNEY & COMPANY.

1903.				
Nov.	27.	To caning 1 office chair	\$0.75	
		boring and caning 1 office chair	1.00	
		boring and caning 1 office stool	.75	
Dec.	1.	caning 1 office chair .....	.75	
			<hr/>	\$3.25

GEORGE W. WALES.

1903.			
Feb.	2.	To pasters	\$0.30
	3.	express .....	.55
	9.	1 map	1.48
	21.	street car fares	1.30
			<hr/>
			\$3.63
April	25.	street car fares	\$1.00
Sept.	26.	street car fares, leveling party	\$13.75
		2 pans for testing cement .....	.50
		express paid .....	.15
			<hr/>
			\$14.40

ALFRED T. DODGE.

1903.			
May	23.	To street car fares	\$0.60
June	27.	street car fares	\$1.45
		bread for cleaning maps .....	.13
			<hr/>
			\$1.58
July	25.	street car fares	\$1.30
		ball of string .....	.25
		express paid .....	.50
			<hr/>
			\$2.05
Aug.	22.	street car fares	\$0.65
		note book .....	.15
		repairs .....	.50
			<hr/>
			\$1.30
Oct.	24.	street car fares	\$1.80
		4 lbs. nails .....	.16
			<hr/>
			\$1.96
Nov.	21.	street car fares	\$1.15

HENRY A. WORTHEN.

1903.			
Jan.	24.	To oil	\$0.10
		strip of iron .....	.10
		cloth .....	.33
			<hr/>
			\$0.53
Mar.	21.	street car fares	\$0.30
		12 cakes soap .....	.24
		wrapping paper .....	.20
		can glue .....	.25
		express paid .....	.50
			<hr/>
			\$1.49
Dec.	26.	street car fares	\$0.30
		2 brushes .....	.46
		1 can G. C. P. vermilion paint	.45
			<hr/>
			\$1.21

HARRIE M. YOUNG.

Dec.	26.	To 132 days, 3 hours service @ \$2.75 per day	\$366.84
		124 days, 4 hours service @ \$3.12 per day	388.34
		50½ hours extra service @ 36⅔c. per hour	18.46

GEORGE W. WALES.

Dec. 26.	To 179 days service @ \$2.75 per day.....	\$492.25
	123 days service @ \$3.12 per day.....	383.76
	129 hours extra service @ 36 $\frac{2}{3}$ c. per hour	47.07

HARRY J. BRIGGS.

Dec. 26.	To 185 days service @ \$2.50 per day.....	\$462.50
	126 days service @ \$2.84 per day.....	357.84
	32 hours extra service @ 33 $\frac{1}{3}$ c. per hour	10.60

ALFRED T. DODGE.

Dec. 26.	To 185 days service @ \$2.00 per day.....	\$370.00
	126 days service @ \$2.27 per day.....	286.02
	25 hours extra service @ 26 $\frac{2}{3}$ c. per hour	6.57

HENRY A. WORTHEN.

Dec. 26.	To 183 days service @ \$1.75 per day.....	\$320.25
	76 days, 4 $\frac{1}{2}$ hours service @ \$1.98 per day	151.52
	42 days service @ \$2.10 per day.....	88.20
	23 hours extra service @ 23 $\frac{1}{3}$ c. per hour	5.33

HALLET R. ROBBINS.

Sept. 26.	To 55 days service @ \$1.75 per day.....	\$96.25
	4 days service @ \$1.87 per day.....	7.48
	30 days service @ 1.90 per day	57.00
	8 $\frac{1}{2}$ hours extra service @ 23 $\frac{1}{3}$ c. per hour	1.98

LAWRENCE O'CONNOR.

Sept. 26.	To 22 days service @ \$0.85 per day.....	\$18.70
	36 days service @ \$1.00 per day	36.00

HAROLD B. CLEWORTH.

Sept. 26.	To 12 days service @ \$1.50 per day.....	\$18.00
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ELLA B. DAVIS.

Dec. 26.	To 298 days, $\frac{1}{2}$ hour service @ \$1.60 per day	\$477.73
	4 $\frac{1}{2}$ hours extra service @ 21c. per hour..	.95

SAMUEL J. LORD.

Dec. 26.	To 1 year's salary	\$1,350.00
	1 year's team hire	150.00
		<hr/>
		\$1,500.00

Total expense engineer's department for 1903..... **\$6,835.00**

SUMMARY.

Appropriation to the engineer's department for the year 1903	\$6,835.00	
Expenses of the engineer's department for the year 1903		\$6,835.00
	\$6,835.00	\$6,835.00

ORDERS.

Number of orders for:	
Surveys, street lines, and grades	187
Sewer grades	46
Gutter grades	79
Curb grades	53
Corner curb grades	78
Pine Grove cemetery, grades, levels and surveys....	21
Valley cemetery, grades, levels and surveys	8
Merrill yard lines	1
Stark park grades	2
Lafayette park, lines and grades	13
Flowage suits, levels and surveys	5
Profile levels	79
Petitions	151
Sewers and drains committee	22
Street committee	19
Road hearings	11
Board of aldermen	2
Board of examiners of plumbers	10
Setting stone bounds	93
Street signs	424
Street numbers	284
Hall street culvert	4
Adams street culvert	2
State Union armory	6
Miscellaneous orders	36
Total	1,636

FIELD WORK.

Levels for profile for establishing grades (length in feet)	150,740
for sewer profiles (length in feet)	1,800
in Pine Grove cemetery (length in feet)	800
in Valley cemetery (length in feet)	265
for benches (length in feet)	118,441
Other levels (length in feet)	14,275
Total length of levels in feet	286,321

Cross section levels, (area in sq. ft.)	38,250
Surveys of streets and street lines (length in feet).....	64,863
for street numbers (length in feet).....	22,991
in Pine Grove cemetery (length in feet).....	1,540
miscellaneous (length in feet)	10,460
<hr/>	
Total length of surveys in feet	99,854
Street lines marked on ground (length in feet).....	25,507
Lot and avenue lines, Pine Grove cemetery (length in feet)	4,189
Lot and avenue lines, Valley cemetery (length in feet)....	1,525
Lot and avenue lines, Merrill yard (length in feet)	112
Lines for gutters (length in feet)	27,505
Lines for curbs (length in feet)	9,854
Lines for sewers (length in feet)	8,315
Other lines (length in feet)	1,384
<hr/>	
Total length of lines in feet marked on the ground ..	78,391
Grades set for sidewalks (length in feet)	32,028
gutters (length in feet)	27,505
curbs (length in feet)	9,854
sewers (length in feet)	8,315
building streets (length in feet)	9,192
Pine Grove cemetery (length in feet)....	2,875
Valley cemetery (length in feet)	500
Stark park (length in feet)	800
other purposes (length in feet)	5,550
<hr/>	
Total length in feet of grades set.....	96,619
Number of new lots staked out in Pine Grove cemetery	13
Number of old lots restaked in Pine Grove cemetery....	52
Number of old lots restaked in Valley cemetery.....	1
Number of old lots restaked in Merrill yard	2
<hr/>	
Total number of cemetery lots staked out	68
Stone bounds set	93

BATTERS SET.

Adams street, culvert at Ray brook.
 Central West street, State Union armory.
 Hall street, culvert at Cemetery brook.
 Valley cemetery, bank wall.

OFFICE WORK.

PLANS AND PROFILES.

Walnut, Webster northerly.
 Weston, Concord to Bridge.
 Total plans and profiles, 2.

SEWER PLANS AND PROFILES.

Albert, Harrison to Brook.
 Ash, Blodget to Salmon.
 Bartlett, Wayne to Amory.
 Blodget, Pine to Walnut.
 Bremer, Coolidge avenue, westerly.
 Bridge, Beacon to Weston.
 Cartier, Kelley to Coolidge avenue.
 Coolidge avenue, Cartier to Bremer.
 Harrison, Union to Beech.
 Maple, Blodget to Harrison.
 Mast, Rochelle avenue to Brock.
 Pine, North of Salmon to Blodget.
 Taylor, Hayward to Young.
 Thornton, Putnam to south of Sullivan.
 Union, Carpenter northerly.
 Union, Clarke to Carpenter.
 Total sewer plan and profiles, 16.

NUMBERING PLANS.

Bay, Clarke to Trenton. Two plans.
 Cilley road, Nutt road to Mammoth road. Nine plans.
 Hampshire lane, Auburn to Spring. Four plans.
 Longwood avenue, Mammoth road to Woodbine avenue.
 Taylor, Cilley road to Vinton.
 Vernon, Brown avenue to railroad.
 Wayland avenue, Massabesic to Revere avenue.
 Total numbering plans, 19.

MISCELLANEOUS PLANS.

Amory, east of Columbus, land of George Blanchet.
 Ashland, Wilson road, Lowell and Concord, land of L. P. Labonte.
 Beech, land of R. P. Stevens, Chenetteville.
 Bedford road and River road, plan made by George Stark.
 Black brook and Merrimack river, land of Fisk & Norcross.
 Boynton, land of Kennard estate.
 Boynton and River road, land of N. Bond.
 Bridge and Weston, land of L. M. Aldrich.
 Brown avenue and Calef road, land of Kennard estate.
 Brown avenue, Pine Island park, land of Manchester Traction, Light
 & Power company. Two plans.
 Brown avenue, Hamilton, Adams, Hancock, Jefferson and Madison,
 land of W. Smith estate.
 Brown avenue at Goffe's Falls, land of Louis Perron.
 Brown avenue at Goffe's Falls, land of William Brooks.
 Brown avenue at Goffe's Falls, land of Ira Moore estate and Devon-
 shire mills.

- Brown avenue at Goffe's Falls, land of Ira W. Moore.
 Calef road and M. & L. R. R., land of J. T. P. Hunt.
 Cedar, land of Edward McDuffy.
 Central, Depot, Granite, Franklin, Elm and Canal, land around freight depot.
 Central, land of Edward McDonald.
 Chester old line and Candia road, lots in 6th division.
 Chester old line, land of Bodwell & Eager.
 Cilley road, land of Clark and Spear.
 Clarke, Elm and Chestnut, land of Henry Chaudler.
 Conant road and Old Mill road, land of M. C. Paige.
 Concord and Maple, land of John Lee.
 Concord railroad and Amoskeag Company's south line, land of Manchester Car Company.
 Concord & Montreal railroad, near Brewery, land of Waterman Smith.
 Day, Robie, Fellows, Brown, Bond, River road, Elm, Bay, Chestnut, Adams, Ray, View, and Union, land in Flatiron district.
 Day, Knight, Traverse, River road, Elm, Bay, Chestnut, Adams, Ray, View, and Union, land in Flatiron district.
 Derry old line, plan of lots in 6th division.
 Elm and River road, land of A. H. Stark.
 Elm, land of J. W. C. Pickering.
 Elm and Hampshire lane (Merrimaek block), land of H. Foster estate.
 Elm, Market and Hampshire lane, land of H. Foster estate.
 Hall, Harvard, Prescott and Young, land of Nap. Bournival.
 Hall, extension Central to Lake avenue.
 Hanover and Lake avenue, land of William Stark estate.
 Hanover and Merrimaek, land of Elliott.
 High, land and buildings of John Hickey.
 High, land and buildings of John T. Moore.
 Huse road and Maynard avenue, land of Robert Heath.
 Lake Massabesic, land of Hunting.
 Lake Massabesic, land bought of A. F. Fox by city of Manchester.
 Two plans.
 Lake Shore road, land of E. W. Harrington.
 Land set off on execution, Daniel George, administrator, J. D. Riddle.
 Land of Cyrus Moore estate.
 Laurel, between Pine and Union, land of Thomas Shea.
 Laxson avenue, Nutt road, Wilson, Hall, Belmont, Taylor, and Cypress, land of H. A. Laxson and T. L. Hoitt.
 Lincoln, Amherst and Chester, land of William O. Donnelly.
 Lowell, west of Chestnut, land of Kennard estate.
 Lowell and Wilson road, land of S. K. Hayes.
 Main, West Hancock and Log, land of Stark estate.
 Main and Milford, church lot.
 Main, land of Clapp and others.
 Mammoth road and Derryfield park, land of Kennard estate.

- Mammoth road and Smyth road, land of Frederick Smyth estate.
 Mammoth road, land of N. C. Hezelton.
 Mammoth road and Chester road, land of J. T. P. Hunt.
 Mammoth road, land of Fred F. Hall.
 Massabesic and Old Falls road, land of Fred S. Sloan.
 Mast, land of Eastman & Stark.
 Mast road, River road, and Bedford road. Copy of plan made by George Stark.
 Mast road and Rockland avenue, land of Hiram H. Gove.
 Milford, land of W. Q. Riddle.
 Nutt road and Beech, land of C. M. Thompson.
 Nutt road, Nutt woodlot.
 Piscataquog river. Copy of plan made by George Stark.
 Railroad, land of Mrs. Gemmel.
 Ray brook, River road to east of Union, showing size and location of culverts.
 Riddle and Tilton, land of Loretta Bartlett.
 River road to Hooksett, land sold by J. Harvey to I. Dow.
 River road, land divided between Samuel Hall and A. Robertson.
 Sampson, Dewey, Schley, Hampshire and Oak avenues, First, Second, Third, Fourth, Fifth, Sixth, Seventh, Eighth, Ninth and Tenth streets and Pine court (Mammoth park), land of Harry W. Harvey.
 Taylor, land sold by Ferren to Prout.
 Thayer, Clarke, Elm, Everett, and River road, land of C. H. Thayer estate.
 Union north of Clarke, land of Kidder and Griffin.
 Union, Beech, Hayward, and Harvard, land of William B. Burpee.
 Union, part of Campbell estate.
 Valley, Massabesic, and Porter, land of D. H. Nutt.
 Wilson, Kingston, Lincoln, Silver, Harvard, and Young, land of Kimball Carriage company.
 Winter, land of Dr. James Sullivan.
 Wood lot, land of John Plummer.
 Wood lot, part of Blodgett farm, land of Kennard Brothers.
 Young road and C. & P. R. R., location of railroad corners.
 Total miscellaneous plans, 86.

WORKING PLANS.

- Amherst, Beech to Maple. Profile.
 Ash, Amherst to Concord. Profile.
 Ash, Concord to Lowell. Profile.
 Ashland, East High to Bridge. Profile.
 Auburn, Wilson to Hall. Profile.
 Auburn, Hall to Belmont. Profile.
 Beacon, Lowell to Bridge. Profile.
 Beech, Summer to Cedar. Profile.
 Bell, Wilson to Amoskeag Company's line. Profile.

- Belmont, Lowell to Bridge. Profile.
 Belmont, Bridge to Pearl. Profile.
 Belmont, Amherst to Concord. Profile.
 Bismarck, Milford northerly. Profile.
 Bridge, Ashland to Belmont. Profile.
 Canal, West Bridge to Dean. Profile.
 Cedar, Beech to Maple. Profile.
 Central West, Franklin to Canal. Profile.
 Chestnut, Concord to High. Profile.
 Cleveland, Second to Blaine. Profile.
 Coolidge avenue, Kelley 1.118 feet northerly. Profile.
 Coolidge avenue, location of new line.
 Dickey, Sylvester to Alpine. Profile.
 Donald 595.33 feet south of Milford to Manchester-Bedford town line.
 Profile.
 Elm, Kidder to Hollis. Profile of west side.
 Fourth, Walker to Ferry. Profile.
 Franklin west back, West Central to Pleasant. Profile.
 Green, Wilson to Hall. Profile.
 Hall, Concord to Lowell. Profile.
 Hall, Summer to Bell. Profile.
 Hall, Lowell to Bridge. Profile.
 Hanover, Beacon to Merrimack. Profile.
 Harrison, Union to Walnut. Profile.
 High East, Belmont to Weston. Profile.
 Hollis, Elm to Canal. Profile.
 Jewett, Hayward to Massabesic. Profile.
 Kidder, Elm to Elm west back. Profile.
 Lake avenue, Wilson to Hall. Profile.
 Lake avenue, Hall to Cass. Profile.
 Linden, Myrtle to Prospect. Profile.
 Lowell, Birch to Chestnut. Profile.
 Lowell, Chestnut to Pine. Profile.
 Lowell, Belmont to Highland. Profile.
 Main, Mast to Milford. Profile.
 Main, A and Bowman, Parker school lot and surrounding lots and buildings.
 Nashua, Concord to Lowell. Profile.
 North, Walnut to Beech. Profile.
 Orange, Chestnut to Pine. Profile.
 Pine, Brook to Sagamore. Profile.
 Pine, Lowell to High. Profile.
 Pleasant, Elm to Canal. Profile.
 Prospect, Walnut to Beech. Profile.
 Prout avenue, Hayward southerly. Profile.
 Ray brook, River road to Union, showing location of culverts.
 Rochelle avenue, Milford to Mast. Profile.

Rochelle avenue and Charleston avenue, detail of corner curb.
 Russell, Myrtle to Harrison. Profile.
 Sagamore, Beech to Oak. Profile.
 Spruce at J. W. Fellows' block, showing amount walls are out of plumb. For Building Inspector E. S. Foster.
 Third, Piscataquog river to M. & N. W. R. R. Profile.
 Union, showing location of brook at Ray brook gardens.
 Valley cemetery west side, Auburn southerly. Profile.
 Valley cemetery, plan, sections and elevation of bank wall on west line.
 Valley, Elm to Pine. Profile.
 Valley, Wilson to Taylor. Profile.
 Walker, Turner to South Main. Profile.
 Walnut, North to Webster. Profile.
 Total working plans, 66.

TRACINGS.

Detail plan of fountain casting for street and park commissioners Main, A and Bowman, Parker school lot and surrounding lots and buildings.
 Spruce, J. W. Fellows' block, showing amount walls are out of plumb. For Building Inspector E. S. Foster.
 Valley cemetery, plan, sections, and elevation of bank wall on west line.
 Total tracings, 4.

BLUE PRINTS.

City of Concord, map for Telephone company. Three prints.
 City of Manchester and vicinity, map for Telephone company. Two prints.
 City of Manchester map. Twenty-six prints.
 City of Manchester, west side. Four prints.
 City of Manchester, east side. Four prints.
 Detail plan of fountain casting for street and park commissioners.
 Detail plan of grade stakes. Eight prints.
 Main, A and Bowman, Parker school lot and surrounding lots and buildings. Ten prints.
 Spruce, J. W. Fellows' block, showing amount walls are out of plumb. For Building Inspector E. S. Foster. Three prints.
 State of New Hampshire, map. Nine prints.
 Valley cemetery plan, sections and elevation of bank wall west side. Three prints.
 Total blue prints, 73.

SUMMARY.

Plans and profiles	2
Plans and profiles (sewer)	16

Numbering plans	19
Miscellaneous plans	86
Working plans	66
Tracings	4
Blue prints	73
Sewer book (part sheets)	10
City clerk's highway book	36
Total	312

Six tracings showing city sewers have been brought up to date.

Maps brought to date, 5.

Plans brought up to date, 88.

Plans made for establishing grade on laid out streets, 67,312 feet.

Plans made for establishing grade on streets not laid out, 14,075 feet.

Total, 81,387 feet.

Lot owners looked up, 59,964 feet.

SEWER LICENSES.

At a meeting of the board of mayor and aldermen November 19, 1897, the city engineer was instructed "to examine the books in his office and present to said board a list of property owners who had neglected to pay the license fee required by the city laws and ordinances for entrance to the city sewers."

The records were examined and a list compiled giving the name of the property owner, the location of the lot, the street frontage, and the license fee due upon each and every piece of occupied property within one hundred feet of a public sewer.

The said list was given in hand to the city clerk, as clerk of the board of mayor and aldermen.

The list comprised 1,017 names, and a notice was sent each one by the city clerk. A summarized statement of the ground covered to January 1, 1904, follows, viz.:

Number of names January 1, 1898	1,017
Paid during 1898	277
Granted free during 1898	76
Paid prior to 1898, located during year	121
Paid during 1899	24
Granted free during 1899	12
Paid during 1900	2
Not connected	1
Paid during 1901	2
Granted free during 1901	1
Paid during 1902	2
Paid during 1903	3
Paid prior to 1898, not located	60
Paid previously	3
Paid in part	1

Covered by old permit	1	
Not recorded paid, receipts shown	5	
Recorded paid, no record of cash received	2	
Claims to have been paid, no record.....	1	
Licenses taken out, not paid	18	
Not heard from	405	
Total number not settled January 1, 1903	496	
		1,017
		1,017

Number of licenses granted delinquent sewer enterers during 1903	3
Number of licenses granted new sewer enterers during 1903..	76
Number free licenses granted new sewer enterers during 1903	4

Total number of licenses granted during 1903	83
Amount of money recorded as collected from three delinquent sewer enterers during 1903	\$42.15
Amount of money recorded as collected from new sewer enterers during 1903	1,154.62
Amount of money recorded as collected on note given in 1902, due in 1903	15.00

 Total amount of money collected during 1903 \$1,226.77
 All moneys are collected by the city clerk.

STREET SIGNS.

Street signs on hand January 1, 1903	51	
Street signs ordered during 1903	387	
Street signs put up during 1903		424
Street signs on hand January 1, 1903, repainted		14
	438	438

The expense of street signs is charged to the appropriation for the engineer's department. (See financial report under Charles H. Wood and Harry A. Piper.)

STREET NUMBERS.

Figures on hand January 1, 1903	936	
Figures ordered during 1903	1,200	
Figures used during 1903		810
Figures on hand January 1, 1904		1,326
	2,136	2,136
Numbers assigned during 1903		248
Numbers replaced during 1903		34
Numbers changed during 1903		2
		284

The expense of street numbers is charged to the appropriation for the engineer's department. (See financial report under Manchester Hardware company.)

STONE BOUNDS SET IN 1903.

A street and South Main street, northwest corner	1
A street and Bowman street, northeast corner	1
Amory street and Joliette street, northwest corner	1
Ash street and Concord street, southeast corner	1
Ash street and Blodget street, northwest corner	1
Ash street and Sagamore street, southeast corner	1
Ash street and Salmon street, southwest corner	1
Beacon street and East High street, northwest corner.....	1
Beacon street and East High street, northeast corner	1
Beacon street and East High street, southwest corner	1
Beacon street and East High street, southeast corner.....	1
Beacon street and Bridge street, southwest corner	1
Beacon street and Bridge street, southeast corner	1
Beauport street and Wayne street, northeast corner	1
Beauport street and Amory street, southeast corner.....	1
Belmont street and East High street, northwest corner.....	1
Belmont street and East High street, northeast corner.....	1
Belmont street and East High street, southeast corner.....	1
Belmont street and Bridge street, northeast corner	1
Belmont street and Bridge street, southeast corner	1
Belmont street and Old Bridge street, northwest corner.....	1
Belmont street and Mead street, southwest corner	1
Blucher street and Sullivan street, northeast corner	1
Blucher street and Sullivan street, southwest corner	1
Blucher street, first angle south of Sullivan street	2
Blucher street, second angle south of Sullivan street, west side	1
Blucher street, north end Montgomery street, west side.....	1
Boynton street and Bank street, northwest corner	1
Boynton street and Bank street, southwest corner	1
Boynton street and Prince street, southwest corner	1
Brock street and Charleston avenue, northeast corner	1
Central West street, State Union armory lot, southwest corner	1
Central West street, State Union armory lot, southeast corner	1
Conant street and Green street, southwest corner.....	1
Conant street and Green street, southeast corner	1
Conant street and Quincy street, southwest corner	1
Conant street and Quincy street, southeast corner	1
Conant street and Montgomery street, northwest corner.....	1
Conant street and Montgomery street, northeast corner	1
Coolidge avenue, 555.55 feet north of Kelley street	2
Coolidge avenue, 655.55 feet north of Kelley street	2
Coolidge avenue, 683.69 feet north of Kelley street, west side..	1

Coolidge avenue and Bremer street, northwest corner	1
Coolidge avenue and Bremer street, southwest corner	1
Coolidge avenue, 758.69 feet north of Kelley street	2
Coolidge avenue, 858.69 feet north of Kelley street	2
Coolidge avenue, 918.06 feet north of Kelley street	2
Coolidge avenue, 1,118.06 feet north of Kelley street	2
Elm street and Stark avenue, southeast corner	1
Harvard street and Belmont street, northeast corner	1
Harvard street and Belmont street, southeast corner	1
Harvard street and Taylor street, northwest corner	1
Harvard street and Taylor street, southwest corner	1
High street and Pine street, northwest corner	1
Highland avenue and Burbank avenue, northeast corner	1
Highland avenue and Burbank avenue, southeast corner	1
Highland avenue and Rimmon avenue, northeast corner	1
Highland avenue and Rimmon avenue, southeast corner	1
Highland avenue and Fogg avenue, northeast corner	1
Highland avenue and Fogg avenue, southeast corner	1
Main South street, first angle north of A street.....	2
Main South street, second angle north of A street	2
Merrimack street and Hall street, southeast corner	1
Nashua street and Ash street	1
Nashua street and Bridge street, northwest corner	1
Nashua street and Arlington street, southeast corner	1
Pearl street and Warren street, southwest corner.....	1
Pearl street and Warren street, southeast corner.....	1
Pearl street and Linden street, southeast corner	1
Pearl street and Morrison street, southwest corner.....	1
Pearl street and Hall street, southwest corner	1
Pearl street and Hall street, southeast corner	1
Pearl street and Belmont street, southwest corner	1
Pleasant street, State Union armory lot, northwest corner ...	1
Pleasant street, State Union armory lot, northeast corner ...	1
Rochelle avenue and Charleston avenue, southwest corner ..	1
Sagamore street and Oak street, northwest corner	1
Sagamore street and Beech street, northeast corner	1
Sullivan street, south side, angle opposite east line of Whipple street	1
Sullivan street, south side, angle west of Whipple street ...	2
Valley cemetery, west side, 23 feet offset line	3

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COAL TAR PAVING.

Tables Nos. 1, 2, 3, 4, 5, 6, 7, 8, and 9 give the location, number of square yards, price per square yard, total cost and date when measured of all coal tar "concrete" laid during the year as follows: Table No. 1, street crossings (new); Table No. 2, street crossings (repairs); Table

No. 3, sidewalks (new); Table No. 4, sidewalks (repairs); Table No. 5, street paving (new); Table No. 6, street paving (repairs); Table No. 7, gutters (new); Table No. 8, miscellaneous work; Table No. 9, summary of Tables 1, 2, 3, 4, 5, 6, 7, and 8.

ABSTRACT REPORT OF THE COMMITTEE ON STREETS FOR THE YEAR 1903.

PERSONNEL OF THE COMMITTEE.

Alderman from ward 4, Charles H. Clark, chairman.

Alderman from ward 9, Mederique R. Maynard.

Alderman from ward 6, Rollin B. Johnston.

Clerk of the committee, Samuel J. Lord.

Tables Nos. 10, 11, 12, 13, 14, and 15 have been compiled to be used in the annual report of the engineer's department in lieu of citing the records of the committee on streets in detail. The tables give all the necessary information pertaining to the petitions that have been acted upon by the committee during the year 1903, also highways laid out, widened and straightened, and grades established, by the board of mayor and aldermen during the year.

Table No. 10 is a list of the petitions for new highways that have been acted upon by the committee during the year.

Table No. 11 is a list of the petitions for establishing grades that have been acted upon by the committee during the year.

Table No. 12 is a list of the miscellaneous petitions that have been acted upon by the committee during the year.

Table No. 13 is a list of highways that have been laid out by the board of mayor and aldermen during the year.

Table No. 14 is a list of the highway grades established by the board of mayor and aldermen during the year.

Table No. 15 is a list of the miscellaneous petitions that have been acted upon by the board of mayor and aldermen during the year. Distances are given in feet.

ABSTRACT REPORT OF THE COMMITTEE ON SEWERS AND DRAINS FOR THE YEAR 1903.

PERSONNEL OF THE COMMITTEE.

Alderman from ward 9, Mederique R. Maynard, chairman.

Alderman from ward 2, Fred K. Ramsey.

Alderman from ward 1, Charles F. Reed.

Clerk of the committee, Samuel J. Lord.

Tables Nos. 16, 17, 18, 19, 20, 21, 22, 23, and 24 have been compiled to be used in the annual report of the engineer's department in lieu of citing the records of the committee on sewers and drains in detail. The tables give all the necessary information pertaining to the petitions, orders for sewers passed by the city councils, sewers built and not built up to January 1, 1904.

Table No. 16 is a list of all petitions that have been acted upon during the year, also the manner in which and date when each petition was acted upon and disposed of by the committee.

Table No. 17 is a list of sewers ordered in up to January 1, 1903, giving the distances built, distances built in excess of order, and the distances remaining unbuilt up to January 1, 1904.

Table No. 18 is a list of sewers ordered built during 1903, giving the distances built, distances ordered that are unnecessary, and the distances remaining unbuilt up to January 1, 1904.

Table No. 19 is a list of sewers built in 1903 not ordered by the board of mayor and aldermen.

Table No. 20 is a list of sewers ordered in but not built up to January 1, 1904. This table is compiled from the first, second, fourth and eighth columns of Tables Nos. 17 and 18.

Table No. 21 is a summary of Tables Nos. 17 and 18.

Distances are given in feet.

SEWERAGE SYSTEM.

Table No. 22 gives the location, material, size, and length of sewers, together with the number of manholes, lampholes, house Y's and cess-pool Y's built during the year 1903.

Table No. 23 gives the material, size, and length of all public sewers in the city of Manchester, January 1, 1904. This table further gives the total length (in feet) of each size of sewer and the number of manholes on each size, also the total length (in feet and miles) of each material.

Table No. 24 is a summary of the sewerage system by years, from January 1, 1880, to January 1, 1904. It gives the length in miles constructed and cost each year, also the average cost per mile for each year. The third column gives the number of miles constructed to date each year. It will be noted that January 1, 1880, there were 17.06 miles constructed, the cost not being recorded. January 1, 1890, there were recorded 2,003 house connections. Beginning with this date, columns four and five give the number of connections recorded each year and the total number recorded to date each year.

ABSTRACT REPORT OF THE BOARD OF EXAMINERS OF PLUMBERS.

In accordance with an act (chapter 55, Laws of 1899) passed by the New Hampshire state legislature, entitled "An act authorizing the examination of plumbers and regulating the practice of plumbing and house drainage," a board of examiners of plumbers was appointed by His Honor Mayor William C. Clarke of Manchester, N. H., as follows: William K. Robbins of the board of health, Christian L. Wolf, a master plumber, and Samuel J. Lord, city engineer (William K. Robbins, president; Samuel J. Lord, clerk).

Following is a statement of the expenditures of the board for the year 1903:

		W. P. GOODMAN.		
1903.				
Jan. 23.	To	1 M sheets typewriter paper		\$1.80
Aug. 28.		1 doz. carbon paper	\$0.40	
Sept. 11.		1 box typewriter paper .....	.90	
				\$1.30
Nov. 11.		1 cash book	\$0.53	
		1 box typewriter paper .....	.90	
Dec. 2.		1 box typewriter paper	1.10	
				\$2.53

		PIKE & HEALD COMPANY.		
1903.				
Feb. 5.	To	27 lbs. block lead @ 5¼c.....	\$1.42	
		15½ lbs. wiping solder @ 20c..	3.10	
9.	"	41 lbs. lead pipe @ 6½c.....	2.67	
10		2 gals. gasoline @ 20c .....	.40	
14.		33½ lbs. lead pipe @ 6c.....	2.01	
		19½ lbs. wiping solder @ 20c..	3.90	
				\$13.50
May 14.		5 ft. 4 in. soil pipe @ 22c.....		\$1.10
June 3.		2 gals. gasoline @ 18c.....	\$0.36	
		1 12-inch hub end of 4-inch Lt. soil pipe .....	.25	
		2 18-inch hubs end of 4-inch Lt. soil pipe @ 38c.....	.76	
		13 lbs. wiping solder @ 23c....	2.99	
		21 lbs. block lead @ 5½c.....	1.16	
		9 lbs. 4-inch lead pipe @ 6¾c	.61	
				\$6.13
July 3.		11 qts. gasoline		\$0.35
Sept. 15.		16 lbs. wiping solder @ 22c....	\$1.52	
		5 lbs. sheet lead @ 7½c.....	.38	
				\$3.90

		TEMPLE & FARRINGTON COMPANY.		
1903.				
Feb. 6.	To	binding 4 vols. records of board of examiners of plumbers @ 81c.	\$3.48	
Mar. 21.		1 board of examiners record book, No. 6616	9.50	
		1 cash book	1.00	
				\$13.98

		REMY BECHARD.		
1903.				
July 11.	To	7/65 of engineer's department reports (68 pages including cover, 250 copies) @ 75c per page		\$5.25

SUMMARY.

Appropriated to the board of examiners of plumbers for the year 1903		\$50.00
Expenses of the board during year 1903	\$49.84	
Balance unexpended .....	.16	
	\$50.00	\$50.00
Renewal fees received for 68 plumbers' certificates @ 50c. (a renewal fee of 50c. per certificate is required by state law)		\$34.00
Renewal fees received for 12 plumbers' licenses @ 50c. (required by law)		6.00
Examination fee for 6 plumbers' licenses (required by law)		6.00
		6.00
Paid to city treasurer (the state law requires all fees to be paid into the city treasury).....		\$46.00

Table No. 25 gives the name, address, and number of the application of each and every person making renewal application to the board for a plumber's certificate. This table also gives the class of certificate applied for (master or journeyman), the number of the certificate, date of renewal, and expiration of said certificate, also the renewal fee paid by the applicant.

Table No. 26 gives the name, address, and number of the application of each and every person making renewal application to the board for a plumber's license. This table also gives the class of license applied for (master or journeyman), the number of the license granted, date of renewal and expiration of said license, also the fee paid by the applicant.

Table No. 27 gives the name, address, and number of application of each and every person making application to the board for a plumber's license. This table also gives the class of license applied for (master or journeyman), the number of the license granted, date of issue, and expiration of said license, also the fee paid by the applicant.

Table No. 28 is a summary of Tables Nos. 25, 26, and 27.

TABLE No. 1.
STREET CROSSINGS (New).—ROBIE CONSOLIDATED CONCRETE COMPANY.

STREET.	LOCATION.	Square yards.	Per square yard.	Total cost.	Measured.
Amory	Columbus street, west side	30.222	.75	\$22.660	Oct. 19, 1903
Ash east back	Bridge street, south side	16.711	.75	12.530	Aug. 20, 1903
Auburn	Wilson street, west side	34.000	.75	25.500	Sept. 17, 1903
Beech	Cedar street, south side	29.590	.75	22.140	June 18, 1903
"	Cedar street, north side	28.711	.75	21.533	" 18, 1903
"	Salmon street, south side	26.666	.75	19.998	May 19, 1903
Brown avenue	Bancroft street, north side	34.666	.75	25.998	19, 1903
Buzzell	East High street, south side	13.570	.75	10.178	Aug. 20, 1903
Cedar	Beech street, east side	28.062	.75	21.046	June 18, 1903
"	" west side	29.333	.75	21.999	" 18, 1903
Grove	Union street, east side	30.222	.75	22.665	May 19, 1903
"	Beech street, west side	30.222	.75	22.665	" 19, 1903
Hall	Merrimack street, south side	19.311	.75	14.480	April 21, 1903
Hovey east back	Amory street, south side	15.400	.75	11.550	Nov. 23, 1903
Jewett	Hayward street, north side	28.177	.75	21.130	Aug. 20, 1903
Maple	Lowell street, north side	32.300	.75	24.225	June 18, 1903
Merrimack	Hall street, east side	25.600	.75	19.200	April 21, 1903
Prospect	Oak street, east side	25.770	.75	19.320	Nov. 20, 1903
Sagamore	Beech street, east side	23.111	.75	17.331	May 19, 1903
Silver	Belmont street, west side	28.622	.75	21.460	Nov. 16, 1903
Union	Grove street, south side	30.666	.75	22.998	May 19, 1903
		596.842		\$425.088	

* Laid by Osgood Construction Company, Nashua, N. H.

TABLE No. 2.
STREET CROSSINGS (Repairs).—ROBIE CONSOLIDATED CONCRETE COMPANY.

STREET.	LOCATION.	Square yards.	Per square yard.	Total cost.	Measured.
Auburn.....	Wilson street, east side.....	34.000	\$0.60	\$20.400	Sept. 17, 1903
Beech.....	Merrimack street, south side.....	5.866	.75	4.399	June 18, 1903
".....	".....	21.155	.50	10.577	" 18, 1903
".....	".....	9.444	.75	7.080	Aug. 20, 1903
Bridge.....	Bridge street, north side.....	11.377	.75	8.530	" 20, 1903
Central.....	Maple street, west side.....	18.666	.60	11.190	April 21, 1903
Chestnut.....	Milton street, east side.....	32.111	.75	24.083	July 17, 1903
".....	Lowell street, north side.....	29.155	.60	17.493	" 17, 1903
".....	High street, south side.....	13.075	.50	6.527	" 17, 1903
Church.....	Lowell street, north side.....	10.666	.35	3.750	Oct. 19, 1903
Columbus.....	Amory street, south side.....	37.100	.50	18.550	June 18, 1903
Concord.....	Elm street, east side.....	6.894	.75	5.160	Oct. 19, 1903
Dubuque east bank.....	Amory street, south side.....	17.233	.50	8.666	July 17, 1903
Fourth.....	Walker street, south side.....	6.500	.75	4.875	" 17, 1903
".....	".....	16.000	.60	9.600	May 19, 1903
Franklin.....	Depot street, north side.....	16.000	.50	8.000	April 21, 1903
Franklin west bank.....	West Central street, north side.....	6.716	.50	3.350	" 21, 1903
George.....	Milford street, north side.....	3.555	.75	2.660	Aug. 20, 1903
Hayward.....	Jewett street, east side.....	24.111	.75	18.080	" 20, 1903
Litchell.....	Spruce street, south side.....	24.111	.75	18.080	" 20, 1903
".....	" north side.....	29.372	.60	17.483	July 17, 1903
Lowell.....	Church street, west side.....	24.888	.50	12.440	Aug. 20, 1903
".....	Birch street, east side.....	5.833	.75	4.370	Nov. 16, 1903
".....	Pine street, west side.....	3.800	.50	1.900	Sept. 17, 1903
Manhattan lane.....	Lake avenue, north side.....	1.166	.870	1.010	Aug. 20, 1903
Maple.....	Bridge street, south side.....	90.658	.50	45.329	Sept. 17, 1903
McGregor.....	Opposite Amoskag gate.....	1.888	.75	1.416	May 19, 1903
Merrimack.....	Pine street, east side.....	25.333	.50	12.666	" 19, 1903
".....	Union street, east side.....	6.222	.75	4.666	June 18, 1903
".....	Beech street, east side.....	13.000	.50	6.500	April 21, 1903
Nutfield lane.....	Manchester street, south side.....	11.800	.50	5.900	June 18, 1903
".....	Amherst street, north side.....	1.666	.75	1.248	May 19, 1903
Pine.....	Merrimack street, north side.....	6.311	.75	4.730	Nov. 16, 1903
".....	Lowell street, north side.....	18.333	.50	9.166	" 16, 1903
".....	".....	24.577	.50	12.288	July 17, 1903
".....	Orange street, south side.....				

TABLE No. 2.—Continued.
STREET CROSSINGS (Repairs).—ROBIE CONSOLIDATED CONCRETE CO.

STREET.	LOCATION.	Square yards.	Per square yard.	Total cost.	Measured.
Prospect.....	Russell street, east side.....	28.641	8.75	\$24,480	Oct. 19, 1903
"	Russell street, west side.....	26.666	.75	19,990	" 19, 1903
Russell	Prospect street, north side.....	28.444	.75	21,330	" 19, 1903
"	Prospect street, south side.....	8.388	.75	6,290	" 19, 1903
		710.001	.....	\$426,677	

TABLE No. 3.
SIDEWALKS (New).—ROBIE CONSOLIDATED CONCRETE COMPANY.

LOCATION.	LIMITS.	Square yards.	Per square yard.	Total cost.	Measured.
Amory, south side.....	At Lafayette park.....	149.740	\$0.50	\$74,870	July 17, 1903
Beaumont, east side.....	"	421.656	.50	210,828	" 17, 1903
Beech, east side	Sagamore street to Masonic Home lot.....	62.770	.50	31,380	May 19, 1903
"	Webster street, southerly.....	75.518	.50	37,760	June 18, 1903
Prospect, north side.....	Russell street, easterly (Herrick's).....	49.368	.50	24,680	Oct. 19, 1903
"	"	8.533	.65	5,540	" 19, 1903
Russell, east side.....	Prospect street, northerly	21.006	.50	10,530	" 19, 1903
Wayne, north side.....	At Lafayette park.....	149.823	.50	74,911	July 17, 1903
		938.474	.....	\$470,499	

SIDEWALKS (Repairs).—ROBIE CONSOLIDATED CONCRETE COMPANY.

LOCATION.	LIMITS.	Square yards.	Per square yard.	Total cost.	Measured.
Anherst, south side	At Sacred Heart hospital	3,922	\$0.25	\$0.98	Aug. 20, 1903
Ash east back	Bridge street, southeast corner	.666	.25	.17	" 6, 1903
Beaumont	Kelley street, southwest corner	12,622	.50	6.31	June 18, 1903
Birch	At No. 39	33,888	.50	16.94	Aug. 20, 1903
Central West, north side	Canal street, easterly	325,888	.50	97.76	April 21, 1903
Chestnut	Lowell street, northeast corner	5,498	.25	1.38	July 11, 1903
Concord common	Ambler to Concord, east walk	227,640	.25	56.91	Nov. 15, 1903
Grove, north side	At No. 289	12,166	.50	6.08	July 17, 1903
Hayward	Jewett street, northeast corner	4,611	.50	2.30	Aug. 20, 1903
Laurel, south side	At No. 81	888	.50	.44	Sept. 17, 1903
Lincoln	East Spruce street, southwest corner	4,750	.25	1.18	Aug. 20, 1903
"	" " southwest corner	5,588	.50	2.79	" 20, 1903
"	" " northwest corner	4,590	.50	2.25	" 20, 1903
Lowell, north side	Chestnut street, easterly	11,733	.25	2.93	July 17, 1903
Maple	Bidge street, southwest corner	3,000	.50	1.50	Aug. 20, 1903
Merrimack common	At Soldiers' monument	337,200	.25	84.30	Aug. 20, 1903
"	Monument to Merrimack street	111,900	.25	27.97	Nov. 16, 1903
"	Monument to southeast corner	181,000	.25	45.25	" 16, 1903
"	Northeast corner	43,430	.25	10.85	" 16, 1903
"	Southeast corner	11,333	.25	2.83	" 16, 1903
Milford	George street, northwest corner	1,777	.25	.44	Apr. 21, 1903
"	" " northeast corner	4,222	.25	1.05	Apr. 21, 1903
Park common	Spruce street, west gate easterly	80,880	.25	20.22	Nov. 16, 1903
"	Northeast corner to southeast corner	592,611	.25	148.15	" 16, 1903
"	Junction near fountain	8,333	.25	2.08	" 16, 1903
"	Fountain westerly	25	.25	.06	" 16, 1903
"	East and west walk	101,000	.25	25.25	" 16, 1903
"	55,000	55,000	.25	13.75	" 16, 1903
Prospect	Spruce street, west side southeasterly	104,000	.25	26.00	" 20, 1903
"	Oak street, southeast corner	4,770	.50	2.38	" 20, 1903
"	Russell street, easterly at Chadbourne's	58,388	.50	29.19	Oct. 19, 1903
"	" " "	25,020	.25	6.25	" 19, 1903
"	Linden street, westerly at Hardy's	27,700	.50	13.85	May 6, 1903
"	Prospect street, southerly at Chadbourne's	11,000	.50	5.50	Oct. 19, 1903
"	" " "	29,333	.35	10.26	" 19, 1903
"	" " "	4,277	.25	1.06	" 19, 1903
"	" " "	16,583	.50	8.29	" 19, 1903
Union,	At No. 619	2,467,137		\$684.84	

TABLE No. 5.
STREET PAVING (New) — ROBIE CONSOLIDATED CONCRETE COMPANY.

LOCATION.	LIMITS.	Square yards.	Per square yard.	Total cost.	Measured
Bridge West	McGregor bridge, west end	944,000	\$0.50	\$472,000	Sept. 17, 1903

TABLE No. 6.
STREET PAVING (Repairs) — ROBIE CONSOLIDATED CONCRETE COMPANY.

LOCATION.	LIMITS.	Square yards.	Per square yard.	Total cost.	Measured.
Amherst street	W. line Nutfield Lane to E. line Vine street	502,807	\$0.50	\$251,403	June 18, 1903
Chestnut street	Hauover street to Amherst street	556,666	.50	278,330	May 19, 1903
Lake avenue	At Merrimack Engine house	25,111	.50	12,550	" 19, 1903
Merrimack street	East of Beech street	1,333	.75	999	June 18, 1903
Vine Street	Amherst street to Concord street	393,221	.50	196,610	" 18, 1903
		1,479,138	.....	\$739,892	

TABLE No. 7.
GUTTERS (New).—ROBIE CONSOLIDATED CONCRETE COMPANY.

LOCATION.	LIMITS.	Square yards.	Per square yard.	Total cost.	Measured.
Prospect, north side.....	Russell street, westerly.....	2.000	\$0.35	\$0.70	Oct. 19, 1903
" ".....	" " easterly.....	27.244	.35	9.53	" " 19, 1903
" south side.....	Prospect street, northerly.....	56.533	.35	19.78	" " 19, 1903
Russell, east side.....	" " southerly.....	2.400	.35	.84	" " 19, 1903
" ".....		6.000	.35	2.10	" " 19, 1903
		94.177	.....	\$32.95	

TABLE No. 8.
MISCELLANEOUS.—ROBIE CONSOLIDATED CONCRETE COMPANY.

LOCATION.	DESCRIPTION.	Square yards.	Per square yard.	Total cost.	Measured.
Amherst street	Sacred Heart hospital, driveway	8.838	\$0.75	\$6.62	Aug. 20, 1903
Elm street	South Manchester schoolhouse, basement	251.214	.50	125.60	" " 20, 1903
Franklin street	Franklin schoolhouse, basement	353.288	.35	123.65	" " 20, 1903
Lincoln street	Lincoln schoolhouse, basement	109.494	.50	54.74	" " 20, 1903
Lowell street	Manual Training schoolhouse yard, walks	25.725	.50	12.86	July 17, 1903
"	"	14.686	.25	3.67	" " 17, 1903
Merrimack street	Training schoolhouse, basement	27.388	.50	13.69	Aug. 20, 1903
Nashua street	Massabesie hose house, east driveway	16.125	.75	12.09	" " 20, 1903
		806.758	.....	\$348.92	

TABLE No. 10.
PETITIONS FOR NEW HIGHWAYS ACTED UPON BY COMMITTEE ON STREETS DURING 1903.

LOCATION.	LIMITS.	Dis- tance.	Width.	Petition of	Date of petition.	With- drawn.	Granted.
Berry	Amherst to Concord	430.92	30	Chas. H. Clark	Sept. 9, 1903	.....	Dec. 8
Fourth	Ferry to Walker	277.07	50	Chas. K. Walker	May 26, 1903	.....	Aug. 26
Green	Conant to Amoskeag Co.'s south line	145.00	40	Joseph Vogel	April 30, 1903	.....	April 26
Hall	Harrison to Blodgett	750.00	50	Mid. Philip Paris	Nov. 29, 1901	.....	April 28
"	Harrison to Peak	500.12	50	Madame Paris	Nov. 8, 1902	April 28	.....
Harvard	Belmont to Taylor	603.03	50	Frank T. Newnam	Feb. 23, 1903	.....	May 26
Hayward	Hall to Belmont	306.11	50	Nate Brousseau	April 24, 1901	.....	May 26
Holly avenue	Hall to Taylor	927.38	40	W. T. Sawyer	Jan. 25, 1901	.....	" 26
"	Taylor to Cypress	749.67	40	W. T. Sawyer	Jan. 25, 1901	.....	" 26
Langard	North road to 546.67 feet west	546.67	50	Sarah A. Piper	Aug. 6, 1901	.....	" 26
Lyndie	Calef road to 831 feet east	831.00	50	Roswell J. Smith	Mar. 31, 1903	.....	Sept. 10
Peak	Hall to Belmont	207.65	50	Francois Lavoie	Nov. 8, 1902	.....	May 26
Prescott	Maple to 263.2 feet east	203.20	50	Alonzo Elliott	April 28, 1901	.....	May 26
"	"	203.20	50	Theo. Sulliant	April 9, 1903	.....	May 26
Quincy	Conant to Amoskeag Co.'s south line	120.00	40	E. C. Smith	Mar. 16, 1903	.....	Aug. 26
Sagamore	Chestnut to Pine	302.00	50	Edwin S. Foster	Nov. 29, 1902	.....	Oct. 6
Shasta	Lansburt to Hall	1,133.16	50	W. G. Leacock	Feb. 27, 1903	.....	May 26
Silver south bank	Wilson to Hall	461.06	20	John H. Stevens	May 9, 1901	.....	July 26
Stark avenue	Elm to Union	1,344.26	50	R. G. Sullivan	July 7, 1903	.....	July 7
Vinton	North road to Taylor	2,727.00	50	Reuben F. Stevens	Sept. 4, 1900	.....	May 26
Woodland avenue	C. & P. R. R. to Hanover	1,060.00	40	Peter Harris	July 24, 1900	.....	Sept. 17
		13,482.80	.....			

SUMMARY.

Whole number of highway petitions acted upon	21	Total length of highways petitioned for	13,982.80
Granted leave to withdraw	3	Granted leave to withdraw	1,010.97
Granted a hearing	18	Granted a hearing	12,971.83
			<hr/>
	21		13,982.80
	21		13,982.80

TABLE No. 11.
PETITIONS FOR ESTABLISHING GRADE ACTED UPON BY COMMITTEE ON STREETS DURING 1903.

LOCATION.	LIMITS.	Dis- tance.	Width.	Petition of	Date of petition.	With- drawn.	Granted.
Ashland	Amherst to Concord	292.00	50	G. W. Wales	May 8, 1901	.....	July 15
Auburn*	Beech to Maple	600.00	50	James Howe	July 28, 1902	.....	May 26
Baker	Caref road to Nutt road	963.30	50	W. B. Melvin	June 25, 1903	.....	Sept. 10
Beecon	Manchester to Hanover	196.00	40	Annie A. Hayes	Dec. 3, 1902	.....	.....
Beech	B. & M. R. to Mitchell	1,166.00	50	Jerome J. Lovering	Mar. 13, 1903	.....	May 26
Beech*	Auburn to Cedar	220.00	50	E. C. Smith	June 19, 1903	.....	Sept. 10
Hell	Wilson to Hall	461.00	50	F. G. Smith	May 9, 1903	.....	June 18
Belmont*	Lake avenue to Central	200.00	50	Halbert N. Bond	July 7, 1903	.....	Oct. 1
Belmont*	Amherst to Concord	569.70	50	Henry A. Bailey	Aug. 18, 1902	.....	June 15
Bowman	Milford to Mast	789.00	33	A. B. Johnson	.....	.....	.....
Caution*	East Spruce to Auburn	450.00	40	M. E. Clough	July 20, 1901	.....	.....
Central	Belmont to Milton	200.00	40	E. B. Davis	April 30, 1902	.....	.....
"	Milton to Beacon	263.00	40	M. L. Stickney	.....	.....	.....
Conant	Green to Quincy	251.00	50	E. C. Smith	Mar. 16, 1903	.....	July 15
Derry	Amherst to Concord	430.02	30	Charles H. Clark	Sept. 9, 1903	.....	June 15
Elm	Granite to Cedar	264.00	100	Charles S. Palmer	Oct. 17, 1900	.....	Dec. 8
Fourth	Ferry to Walker	227.07	50	Charles K. Walker	May 29, 1903	.....	Sept. 10
Granite	Elm to Hampshire lane	100.00	50	Cleon S. Palmer	Oct. 17, 1900	.....	Aug. 26
Green	Conant to Amoskeag Co.'s south line	120.00	40	Joseph Vogel	April 30, 1903	.....	Sept. 10
Hall	Harrison to Peak	456.12	50	F. H. Griffin	Nov. 8, 1902	Apr. 28	.....
"	Harrison to Bldget	700.00	50	Md. Philip Paris	.....	.....	.....
Harvard	Belmont to Taylor	553.63	50	Frank F. Newman	Feb. 23, 1903	.....	May 26
High East	Ashland to Buzzell	285.00	50	J. N. Carr	Aug. 3, 1903	.....	.....
Highland	Mast to Fogg avenue	773.28	40	F. A. Robinson	June 13, 1903	.....	Oct. 1
Holly	Hall to Taylor	927.98	40	W. T. Sawyer	Jan. 25, 1901	.....	Sept. 10
"	Taylor to Cypress	749.67	40	W. T. Sawyer	.....	.....	.....
Jane	Lowell to East High	386.00	35	Edward Mulcahy	Feb. 4, 1902	.....	Apr. 28
Lake	Cypress to 300 feet west	300.00	40	E. C. Smith	May 4, 1903	.....	June 18
Litchell	Silver to Somerville	275.00	50	S. Manchester Bldg A's n	Aug. 8, 1901	.....	May 26
Lingard	Nutt Road to 339.15 feet west	539.15	50	Sarah A. Piper	.....	.....	.....
Lowell	South to Jane	392.00	50	Edward Mulcahy	Feb. 4, 1902	.....	Apr. 28
Main South*	A to 1160.57 feet north of Town line	3,040.00	50	Delia Gagnon	June 1, 1903	.....	Aug. 26
Maple	Brook to Blodget	270.00	50	Frank St. Jean	Aug. 13, 1902	.....	Apr. 28
Mystic	Calif Road to 831 feet east	831.00	50	Roswell J. Smith	Mar. 31, 1903	.....	Sept. 10
Orange	Union to Walnut	920.00	50	Harrie M. Young	Oct. 23, 1902	.....	Apr. 28
Peak	Hall to Belmont	307.65	50	John Larose	Nov. 8, 1902	Apr. 28	.....
Pearl	Russell to Nashua and Oak	336.42	50	Alfred T. Dodge	June 20, 1902	.....	Apr. 28
Pennacook	Cliesnut to Pine	312.00	50	Jennie Louise Willey	Nov. 29, 1902	.....	.....

TABLE No. 11.—Continued.

PETITIONS FOR ESTABLISHING GRADE ACTED UPON BY COMMITTEE ON STREETS DURING 1905.

LOCATION.	LIMITS.	Dis- tance.	Width.	Petition of	Date of petition.	With- drawn	Granted.
Prescott.	Maple to 203.2 feet east	203.20	50	Alonzo Elliott	May 31, 1901	.....	May 26
"	Maple to 203.2 feet east	203.20	50	Theo. Salliant	Apr. 9, 1903	.....	.....
Quincy.	Chant to Amoskeag Co.'s S. line	120.00	40	E. C. Smith	Mar. 16, 1903	.....	Aug. 26
Sagamore	Chestnut to Pine	1,312.00	50	Edwin S. Foster	Nov. 29, 1902	.....	Oct. 6
Shasta	Linchon to Hall	123.16	50	W. G. Leacock	Feb. 25, 1903	.....	May 26
Silver	Union to Beech	490.00	50	E. Ahern	May 9, 1901	.....	Oct. 1
Silver south back.	Wilson to Hall	461.66	20	John H. Stevens	May 5, 1903	.....	May 26
Somerville	Lingoh to Wilson	621.50	50	Rebecca M. Pettigrew	Feb. 13, 1901	.....	Oct. 1
Spruce East	Cypress to Canton	348.42	50	M. E. Clough	July 13, 1901	.....	June 18
Spruce East*	Canton to J. Hall road	854.07	50	Edward J. Wilcomb	July 30, 1901	.....	July 15
Stark avenue	Elm to Union	1,344.25	50	R. G. Sullivan	" 7, 1903	.....	" 7
Sullivan	Amoskeag Co.'s line to Blucher	100.00	50	Gustave Melhorn	Aug. 28, 1903	.....	Sept. 10
"	Barletti to Railroad	935.92	50-40	Otto Englehardt	" 10, 1903	.....	" 10
Summer	Belmont to Massachusetts	611.00	50	E. C. Smith	Apr. 24, 1903	.....	June 30
Union	Silver to Somerville	275.00	50	E. Ahern	May 25, 1903	.....	Oct. 1
"	Wayward to Harvard	600.00	50	Wm. B. Barbee	June 21, 1901	.....	May 26
"	Grove to Bell	220.00	50	John A. Connolly	May 1, 1903	.....	Sept. 10
Vinton	Sutt road to Taylor	2,656.00	50	Reuben P. Stevens	Sept. 4, 1903	.....	May 26
Walker	South Main to Third	690.00	50	John J. McGovern	Mar. 27, 1903	.....	Aug. 26
Woodland avenue	C. & P. R. R., to Hanover	1,060.00	40	Peter Harris	July 24, 1900	.....	Sept. 17
		32,351.18					

* Petition for changing grade.

SUMMARY.

Whole number of grade petitions acted upon.....	58	Total length of highway grades petitioned for ..	32,351.18
Granted leave to withdraw	3	Granted leave to withdraw.....	960.97
Granted a hearing.....	55	Granted a hearing	31,390.21
	58		32,351.18
	58		32,351.18

TABLE No. 12.
MISCELLANEOUS PETITIONS ACTED UPON BY COMMITTEE ON STREETS DURING 1903.

LOCATION.	LIMITS.	Distance.	Width.	Petition of	Date of petition.	Granted.
Baker*	Calif road to Nutt road	963.00	50	W. B. McIlvin.....	June 25, 1903	10
Brown avenue †	South of Calif road to 688 feet south	688.00		George A. Hackett	" 9, 1903	10
Massachusetts	Cypress to 44.5 feet east.....	44.50		J. B. Huse	Mar. 28, 1903	15
		1,685.50				July

* Petition for widening and straightening.

† Petition for widening on west side.

‡ Petition for acquiring 520.15 square feet of land at southeast corner of Cypress street and Massachusetts street.

TABLE No. 13.

HIGHWAYS LAID OUT IN 1903 BY THE BOARD OF MAYOR AND ALDERMEN.

LOCATION.	LIMITS.	Length.	Width.	Laid out.	Petition of	Date of petition.	Hearing recommended.
Adams.....	Beaumont to Cartier.....	221.57	50	June 26	Jeremiah J. Sullivan.	July 22, 1902	Oct. 13, 1902
Bart.....	Conant to Granite.....	590.00	40	" 26	Andrew Thompson	May 12, 1899	June 27, 1899
Blucher.....	Montgomery to Sullivan	1,430.30	50	Oct. 30	Gustave McElhorm.....	Aug. 28, 1903	To M. & Ald.
Fourth.....	Ferry to Walker.....	277.07	50	Sept. 25	Charles K. Walker.....	May 26, 1903	Aug. 26, 1903
Green.....	Conant to Amoskeag Co.'s S. line.	145.00	40	" 4	Joseph Vegei.....	April 30, 1903	" 26, 1903
Harvard.....	Belmont to Taylor.....	603.03	50	" 4	Frank P. Newman.....	Feb. 23, 1903	May 26, 1903
High East.....	Belmont to Beacott.....	500.13	50	May 22	Herbert M. Chandler.	April 3, 1903	To M. & Ald.
Holly avenue.....	Hall to Taylor.....	927.38	40	July 10	W. T. Sawyer.....	Jan. 25, 1901	May 26, 1903
".....	Taylor to Cypress.....	749.67	40	" 10	W. T. Sawyer.....	" 25, 1901	" 26, 1903
Hospital avenue.....	Massabesic to Cypress.....	595.74	38.5 to 40	Jan. 5	M. R. Maynard.....	Dec. 2, 1902	To M. & Ald.
Lingard.....	Nutt road to 546-67 west.....	505.67	50	June 26	Sarah A. Piper.....	Aug. 6, 1901	May 26, 1903
Milford Place.....	Milford to 165.50 feet south	165.50	23.16	Sept. 4	Harrie M. Young.....	Nov. 11, 1902	Dec. 18, 1902
".....	165.50 feet S. of Milford to 23.50 south	23.50	23.16 to 50	" 4	".....	".....	".....
Quincy.....	Conant to Amoskeag Co.'s S. line.	120.00	40	Sept. 25	E. C. Smith.....	Mar. 16, 1903	Aug. 26, 1903
Shasta.....	Litcholt to Hall.....	1,133.16	50	June 26	W. G. Leacock.....	Feb. 27, 1903	May 26, 1903
Stark avenue.....	Elm to Union.....	1,344.26	50	July 31	R. G. Sullivan.....	July 7, 1903	July 7, 1903
Sullivan.....	Blucher to Amoskeag Co.'s W. line.	150.00	50	Oct. 30	Gustave McElhorm.....	Aug. 28, 1903	To M. & Ald.
".....	Bartlett to Railroad.....	960.32	50-40	Nov. 3	Alvin H. Keith.....	Sept. 10, 1903	" 4
Vinton.....	Nutt road to Taylor.....	2,727.00	50	July 10	Reuben P. Stevens.....	" 4	May 26, 1903
Weston.....	Concord to Bridge.....	1,022.11	50	May 22	L. M. Aldrich.....	Oct. 7, 1902	Dec. 17, 1902
		13,843.61					

TABLE No. 14.
HIGHWAY GRADES ESTABLISHED BY THE BOARD OF MAYOR AND ALDERMEN DURING 1903.

LOCATION.	LIMITS.	Dis- tance.	Width.	Petition of	Date of petition.	Order passed.
Beech	Salmon to North	475.67	50	C. C. Babbitt	Aug. 30, 1903	Mar. 3
"	North to Webster	607.06	50	"	" 30, 1903	" 3
Hooksett road	Webster to 493.63 feet north	4,993.63	64-50	Fred K. Ramsay	May 20, 1901	April 7
Somerville	Hill to Belmont	306.64	50	F. W. Shontell	April 26, 1901	Mar. 3
"	Belmont to Taylor	653.31	50	"	" 26, 1901	" 3
"	Taylor to Cypress	745.30	50	"	" 26, 1901	" 3
"	Cypress to Jewett	390.00	50	C. W. Danforth	July 2, 1900	" 3
Taylor	Hayward to Valley	497.58	45	S. M. Couch	June 21, 1901	" 3
		8,569.19				

TABLE No. 15.
MISCELLANEOUS PETITIONS ACTED UPON BY THE BOARD OF MAYOR AND ALDERMEN DURING 1903.

LOCATION.	LIMITS.	Dis- tance.	Width.	Laid out.	Petition of	Date of petition.	Hearing rec- ommended.
Baker *	Calef road to Nutt road	963.10	50	Dec. 2	W. B. Mellyin	June 25, 1903	Sept. 10, 1903
Brown avenue †	South of Calef road to 688 feet south	688.00	.....	Oct. 30	Geo. A. Hackett	" 9, 1903	" 10, 1903
" "	Mrs. C. C. Webster land to 415 feet N	415.00	.....	Apr. 24	Louis E. Wynant	April 6, 1903	To M. & Ald.
" "	James Kelliher land to 402 feet north	402.00	.....	" 24	" "	" 6, 1903	" "
" "	Deepest road to 525 feet south	525.00	.....	" 24	" "	" 6, 1903	" "
Coolidge avenue ‡	310 feet N. of Kelley to 311.54 feet N.	311.54	75	Sept. 25	Eugene Quirin	Aug. 27, 1903	" "
Hooksett road §	Webster to 69.49 feet north	69.49	.....	Apr. 24	Louis E. Wynant	April 6, 1903	" "
Massabesic ||	Cypress to 44.5 feet east	44.50	.....	Sept. 4	J. B. Huse	Mar. 28, 1903	July 15, 1903
Young *	Taylor to Almsworth avenue	524.64	40	June 5	James M. Hall	Aug. 14, 1902	Dec. 18, 1902
		4,543.27	.....			

* Petition for widening and straightening.

† Petition for widening on west side.

‡ Petition for changing location of highway.

§ Petition for acquiring 595.96 square feet of land at northwest corner of Hooksett road and Webster street.

|| Petition for acquiring 520.15 square feet of land at southeast corner of Cypress street and Massabesic street.

TABLE No. 16.
 PETITIONS ACTED UPON BY THE COMMITTEE ON SEWERS AND DRAINS DURING THE YEAR 1903.

LOCATION.	LIMITS.	Dis- tance.	Petition of	Date of petition.	Withdrawn.	Granted.
Adams*	At No. 43		Charles F. Smyth	April 21, 1903		April 24
Bay	Clarke to Carpenter	1,208	A. J. Sawyer	Feb. 26, 1903		Mar. 19
Cedar south back	Maple to Lincoln	600	Daniel F. Murray	" 21, 1903		April 15
Cemetery brook †	Mammoth road to Hanover	2,425	Jennie Louise Willey	Aug. 1, 1903	Nov. 3	April 19
Clarke	Elm to Chestnut	618	A. J. Sawyer	Feb. 26, 1903		Mar. 19
Clay	Cypress to Jewett	439	John Ramsey	April 8, 1903		May 18
Concord	Dutton westerly	102	George Allen	June 18, 1903		Dec. 1
Dubuque east back *	At lot No. 4069		Wm. Marcotte	April 24, 1903		April 24
Dutton	Concord northeasterly	300	George Allen	June 18, 1903		Dec. 1
Hanover †	Cemetery brook to Page	1,854	Jennie Louise Willey	Aug. 1, 1903	Nov. 3	June 8
High East	Belmont to Beacon	530	Herbert M. Chandler	June 1, 1903		May 18
Hosley	Grove to Summer	540	O. C. Grice	April 13, 1903		Sept. 10
Huntress	Prince to McDuffie	225	P. I. Hooper	July 6, 1903		May 22
Jewett ‡	At No. 90		L. St. Clair	May 11, 1903		June 26
Lowell	Beacon to Weston	448	E. B. Davis	June 26, 1903		June 26
Maple	Cedar to Cedar south back	126	Daniel F. Murray	Feb. 21, 1903		April 15
Merrill †	Pine to Union	500	Annis Flour & Grain Co.	June 22, 1903	Oct. 2	April 15
Mill avenue ||	North side, west of Brown avenue		Dovonshire Mills, T. Walker, Jr., agent	April 25, 1903		
Prescott	Maple easterly	219	Theo. Saultnik	" 9, 1903	June 5	May 18
Sagamore	Chestnut to Pine	362	George Franklin Willey	Mar. 21, 1903		June 8
"	"		Jennie Louise Willey	" 21, 1903		Sept. 18
Union †	Merrill south back to Valley	346	Annis Flour & Grain Co.	June 22, 1903	Oct. 2	June 8
Union	Webster northerly	150	B. W. Cate	Nov. 11, 1903		Dec. 8
Walnut	"	500	E. B. Davis	April 15, 1903		June 8
Weston	Concord to Lowell	312	E. B. Davis	June 26, 1903		" 26
		11,824				

* Request for free entrance.

† Action deferred Oct. 2.

‡ Action deferred Aug. 28.

|| Request for free entrance laid over May 28.

TABLE No. 17.

SEWERS ORDERED IN BUT NOT BUILT UP TO JANUARY 1, 1903.

Location.	Limits.	BUILT DURING 1903.			Date of order.	NOT BUILT.		
		Distance.	Excess.	Distance.		Distance.	Distance.	
Amherst.....	Union to Ashland.....	2,600		2,183	May 2, 1893		2,600	
Adams.....	Carpenter to Trenton.....	531		19, 1902	Dec. 19, 1902		531	
Amory.....	Alsace to Joliette.....	252		Oct. 7, 1902	Oct. 7, 1902		252	
Ash.....	Sagamore to Salmon.....	143		July 1, 1902	July 1, 1902	126		
Auburn.....	Cypress, easterly.....	300		May 2, 1899	May 2, 1899		300	
"	East of Canton, easterly.....	90		Nov. 9, 1894	Nov. 9, 1894		90	
"	Hill, easterly.....	150		Jan. 7, 1896	Jan. 7, 1896		150	
Beacon.....	Amherst to Concord.....	71		Nov. 10, 1896	Nov. 10, 1896		71	
"	Harvard to Hayward.....	272		Oct. 4, 1898	Oct. 4, 1898		272	
"	Bridge to Orange.....	629		Dec. 6, 1900	Dec. 6, 1900		629	
Belmont.....	South of Somerville to Dix.....	441		June 4, 1901	June 4, 1901		441	
"	Old Bridge to Bridge.....	200		Jan. 7, 1896	Jan. 7, 1896		200	
Bismarck.....	Milford, northerly.....	800		July 25, 1902	July 25, 1902	921	121	
Blairstown.....	Second to Hiram.....	400		Dec. 6, 1892	Dec. 6, 1892		400	
Bowman.....	West to Milford.....	843		Oct. 7, 1902	Oct. 7, 1902		843	
Bremer north back.....	Coolidge avenue west back to Rimmon.....	80		"	"		80	
Bridge.....	Beacon to Weston.....	54		July 25, 1902	July 25, 1902		54	
Buzzell.....	Lowell to East High.....	363		"	"	286		
Calef road.....	Baker, northerly.....	49		June 4, 1901	June 4, 1901		49	
Cedar south back.....	Beech, westerly.....	175		May 5, 1896	May 5, 1896		175	
Central.....	Milton to Beaucon.....	307		Sept. 6, 1898	Sept. 6, 1898		307	
"	Chestnut to Union.....	860		July 9, 1901	July 9, 1901		860	
"	Carpenter to Trenton.....	531		Oct. 7, 1902	Oct. 7, 1902	384	147	
Chestnut.....	Amory, southerly.....	128		July 26, 1899	July 26, 1899		128	
Columbus.....	Pine east back to Union.....	182		Sept. 12, 1899	Sept. 12, 1899		182	
Concord.....	Hill, easterly.....	86		6, 1887	6, 1887		86	
"	Clinton, northerly.....	160		"	"		160	
Dover.....	Shasta to Baker.....	166		May 6, 1890	May 6, 1890		166	
Elm.....	Railroad bridge to Elm avenue.....	1,373		6, 1890	6, 1890		1,373	
"	Monroe south back to Clarke.....	707		June 4, 1895	June 4, 1895		707	
"	Trenton to Rowell.....	448		Feb. 4, 1896	Feb. 4, 1896		448	
"	Old Falls road, easterly.....	345		Nov. 5, 1901	Nov. 5, 1901		345	
Falls avenue.....	Valley to Hayward.....	140		July 14, 1896	July 14, 1896		140	
Foster avenue.....	Second, easterly.....	175		"	"		175	
Front.....	Eddy to north of hotel.....	2,800		Sept. 5, 1893	Sept. 5, 1893		2,800	
George.....	N. of Milf rd to Charleston avenue.....	52		7, 1902	7, 1902		52	

TABLE No. 17.—Continued.

SEWERS ORDERED IN BUT NOT BUILT UP TO JANUARY 1, 1903.		BUILT DURING 1903.		NOT NEEDED.		NOT BUILT.	
Location.	Limits.	Distance.	Date of order.	Distance.	Excess.	Distance.	Distance.
Taylor	South of Valley, southerly	75	Oct. 2, 1900	.....	.....	.....	75
"	Hayward to Somerville	942	Sept. 3, 1901	.....	.....	.....	942
"	Somerville to Dix	575	Dec. 19, 1902	.....	.....	.....	575
Union	Clarke to Trenton	1,107	July 2, 1895	927	.....	.....	180
"	Trenton, northerly	500	Oct. 7, 1902	99	.....	.....	401
"	North of Prescott to Merrill south back	337	June 5, 1900	336	.....	.....	.....
"	North of Prescott to Hayward	192	Sept. 7, 1897	192	.....	.....	.....
"	South of Christian brook, southerly	50	Aug. 6, 1895	.....	.....	.....	50
Valley	Cypress, westerly	133	Jan. 4, 1897	.....	.....	.....	133
"	Elm to Wilson	4,040	Nov. 7, 1893	.....	.....	.....	4,040
Walnut	Salmon, southerly	105	Jan. 29, 1897	.....	.....	.....	.....
"	Salmon, northerly	88	Nov. 10, 1896	.....	.....	.....	88
Wentworth	Schiller, northerly	400	Sept. 5, 1895	.....	.....	.....	400
William	Milford to Mast	522	Oct. 3, 1899	.....	.....	.....	522
		47,918		5,484	144	149	42,429

TABLE No. 18.
SEWERS ORDERED IN DURING THE YEAR 1903.

LOCATION.	LIMITS.	Distance.	Date of order.	BUILT DURING 1903.		NOT SEEDED.	NOT BUILT.
				Distance.	Excess.			Distance.	Distance.
Bay	Clarke to Carpenter	1,208	April 14, 1903	298	.....	.....	910
Cedar south back.....	Maple to Lincoln	600	May 13, 1903	.....	.....	.....	600
Clarke	Elm to Chestnut	618	April 14, 1903	328	.....	.....	290
Clay	Cypress to Jewett.....	439	June 26, 1903	.....	.....	.....	439
High East	Belmont to Keaton.....	550	July 31, 1903	.....	.....	.....	550
Hosley	Grove to Summer.....	540	June 26, 1903	62	.....	.....	540
Huntress	Prince to McRuffie.....	225	Nov. 3, 1903	.....	.....	.....	163
Lowell	Beacon to Weston.....	448	July 31, 1903	448	.....	.....	.....
Maple	Cedar to Cedar south back	126	May 13, 1903	.....	.....	.....	126
Prescott	Maple, easterly	219	June 26, 1903	.....	.....	.....	219
Sagamore	Chestnut to Pine.....	362	July 31, 1903	.....	.....	.....	362
" .....	" .....	.....	Nov. 3, 1903	.....	.....	.....	.....
Walnut	Webster, northerly.....	500	July 31, 1903	.....	.....	.....	500
Weston	Concord to Lowell.....	312	July 31, 1903	240	.....	.....	72
		6,147		1,376	.....	.....	4,771

TABLE No. 19.

SEWERS BUILT IN 1903 WITHOUT AN ORDER.

LOCATION.	LIMITS.	Distance.
Charleston avenue *	Rochelle avenue, westerly	54
Hall *	Auburn to Cedar south back	144
Hall	At Spruce south back	6
Pleasant	Franklin, westerly	200
Riley avenue	South of Hayward, southerly	310
Walker *	Turner, westerly	34
		748

* For cesspools.

TABLE No. 20.

SEWERS ORDERED IN, BUT NOT BUILT, TO JANUARY 1, 1904.

LOCATION.	LIMITS.	Distance.	Date of order.
Amherst.....	Union to Ashland.....	2,610	May 2, 1893
Adams.....	Carpenter to Trenton.....	531	Dec. 19, 1902
Amory.....	Alsace to Joliette.....	252	Oct. 7, 1902
Auburn.....	Cypress, easterly.....	300	May 2, 1899
".....	East of Canton, easterly.....	90	Nov. 9, 1894
Auburn south back.....	Hall, easterly.....	150	Jan. 7, 1896
Bay.....	Clarke to Carpenter.....	910	April 14, 1903
Beacon.....	Amherst to Concord.....	71	Nov. 10, 1896
Beech.....	Harvard to Hayward.....	272	Oct. 4, 1898
".....	Bridge to Orange.....	629	Dec. 6, 1900
Belmont.....	South of Somerville to Dix.....	441	June 4, 1901
".....	Old Bridge to Bridge.....	200	Jan. 7, 1896
Blaine.....	Second to Hiram.....	400	Dec. 6, 1892
Bowman.....	Mast to Milford.....	843	Oct. 7, 1902
Bremer north back.....	Coolidge ave. west back to Rimmom.....	89	" 4, 1898
Bridge.....	Beacon to Weston.....	54	July 25, 1902
Calef road.....	Baker, northerly.....	49	June 4, 1901
Cedar south back.....	Beech, westerly.....	175	May 5, 1896
".....	Maple to Lincoln.....	600	" 13, 1903
Central.....	Milton to Beacon.....	307	Sept. 6, 1898
Central south back.....	Chestnut to Union.....	860	July 9, 1901
Chestnut.....	Carpenter to Trenton.....	147	Oct. 7, 1902
Clarke.....	Elm to Chestnut.....	290	April 14, 1903
Clay.....	Cypress to Jewett.....	439	June 26, 1903
Columbus.....	Amory, southerly.....	128	July 26, 1899
Concord.....	Pine east back to Union.....	152	Sept. 12, 1899
".....	Hall, easterly.....	86	Sept. 6, 1887
Dover.....	Clinton, northerly.....	160	" 4, 1894
Elm.....	Shasta to Baker.....	106	May 6, 1890
".....	Railroad bridge to Elm avenue.....	1,373	" 6, 1890
".....	Monroe south back to Clarke.....	707	June 4, 1895
".....	Trenton to Rowell.....	448	Feb. 4, 1896
Falls avenue.....	Old Falls road, easterly.....	345	Nov. 5, 1901
Foster avenue.....	Valley to Hayward.....	140	July 14, 1896
Frederick.....	Second, easterly.....	175	" 26, 1899
Front.....	Eddy to north of hotel.....	2,800	Sept. 5, 1893
George.....	No. of Milford to Charleston ave.....	52	Oct. 7, 1902
Grove south back.....	Wilson, easterly.....	260	Nov. 2, 1897
Hall road.....	Massabesic to Nelson.....	601	Aug. 5, 1898
Hale.....	Schiller, southerly.....	450	Nov. 9, 1894
Hall.....	Clay to Dix.....	250	Dec. 19, 1902
".....	Lowell to East High.....	143	July 25, 1902
Hanover.....	East of Alfred to Highland.....	134	Jan. 4, 1897
Harrison.....	Maple to Oak.....	350	Oct. 3, 1899
".....	Belmont, westerly.....	65	Sept. 1, 1896
Harvell.....	Hale to South Main.....	700	Nov. 9, 1894
Hayes avenue.....	Old Falls road to Chase avenue.....	206	Jan. 2, 1899
Hayward.....	Ainsworth avenue to Cypress.....	148	Sept. 7, 1897
Hevey east back.....	Wayne, northerly.....	146	Jan. 7, 1896
".....	So. of Amory to Columbus avenue.....	396	July 10, 1893
".....	Kelley to Bremer.....	350	June 4, 1901
High East.....	West of Hall to Belmont.....	152	Aug. 30, 1901
".....	Belmont to Beacon.....	550	July 31, 1903
Hosley.....	Grove to Summer.....	540	June 26, 1903
Huntress.....	Prince to McDuffie.....	163	Nov. 3, 1903
Jones.....	Nelson to Benton.....	550	Aug. 5, 1898
Main South.....	Schiller to Allen.....	1,340	Dec. 4, 1900
Mammoth road.....	Massabesic to Nelson.....	1,166	May 2, 1899
".....	Nelson, northerly.....	500	Aug. 5, 1898
Maple.....	Cedar to Cedar south back.....	126	May 13, 1903
Massabesic.....	Hall road to Mammoth road.....	831	" 2, 1899
Mast.....	Rochelle avenue to Brock.....	176	Dec. 31, 1901
Mast road.....	Mast to old Bedford-Goffstown line.....	1,470	Mar. 13, 1900
Merrill.....	Jewett, easterly.....	34	June 5, 1900

TABLE No. 20.— *Continued.*

LOCATION.	LIMITS.	Distance.	Date of order.
Montgomery east back....	Kelley to Bremer	504	Dec. 31, 1901
Nelson.....	Hall road to Mammoth road.....	570	" 31, 1901
Nutt road.....	Silver to Baker	1,635	" 4, 1900
Orange.....	Belmont, westerly.....	65	Feb. 4, 1896
Pine.....	Silver to Plummer.....	447	Oct. 3, 1899
Pine east back.....	South of Concord to Concord.....	160	Sept. 12, 1899
Plummer.....	Pine to Union.....	60	Oct. 3, 1899
Prescott.....	Maple, easterly.....	219	June 26, 1903
Prospect.....	Hall, easterly.....	100	Sept. 3, 1895
Rimmon.....	South of Wayne to Putnam.....	164	Aug. 6, 1901
Rimmon east back.....	Kelley to Mason.....	800	Sept. 7, 1897
River road.....	Clarke to Park avenue.....	306	Nov. 2, 1897
Russell.....	South of Biodget to Sagamore.....	779	Oct. 3, 1899
Sagamore.....	Chestnut to Pine.....	362	July 31, 1903
Schiller.....	Hale to South Main.....	850	Nov. 10, 1896
Second.....	North of Frederick to Frederick....	118	July 26, 1899
".....	South of Schiller to Harvell.....	160	Dec. 3, 1895
Somerville.....	Union to Maple.....	512	Aug. 2, 1898
".....	Hall to west of Cypress.....	1,305	Dec. 19, 1902
".....	Cypress, westerly.....	246	" 4, 1900
pruce.....	East of Canton, easterly.....	110	Jan. 7, 1896
ylvester.....	Milford to Avon.....	546	July 26, 1899
Taylor.....	South of Valley, southerly.....	75	Oct. 2, 1900
".....	Hayward to Somerville.....	942	Sept. 3, 1901
".....	Somerville to Dix.....	575	Dec. 19, 1902
Union.....	Clarke to Trenton.....	180	July 2, 1895
".....	Trenton, northerly.....	401	Oct. 7, 1902
Union east back.....	South of Christian brook, southerly.....	59	Aug. 6, 1895
Valley.....	Cypress, westerly.....	133	Jan. 4, 1897
".....	Elm to Wilson.....	4,040	Nov. 7, 1893
Walnut.....	Salmon, southerly.....	105	Jan. 29, 1897
".....	Webster, northerly.....	500	July 31, 1903
" east back.....	Salmon, northerly.....	88	Nov. 10, 1896
Wentworth.....	Schiller, northerly.....	400	Sept. 5, 1895
Weston.....	Concord to Lowell.....	72	July 31, 1903
William.....	Milford to Mast.....	522	Oct. 3, 1899
		47,200	

TABLE No. 21.

SUMMARY.

Table No. 17, column 3, (ordered in to January 1, 1903).....	47,918	
Table No. 17, column 5, (built).....		5,484
Table No. 17, column 6, (built in excess of order).....	144	
Table No. 17, column 7, (unnecessary).....		149
Table No. 17, column 8, (not built).....		42,429
Table No. 18, column 3, (ordered in in 1903).....	6,147	
Table No. 18, column 5, (built).....		1,376
Table No. 18, column 8, (not built).....		4,771
	54,209	54,209
sewers built in 1903 of those ordered in up to January 1, 1904 (feet).....		6,668
sewers built in 1903 without orders (feet).....		748
Total length of sewers built in 1903 (feet).....		7,416

TABLE No. 22.
SEWERS BUILT IN 1903.

LOCATION.	LIMITS.	Material.	Size in inches.	Length in feet new.	Length in feet relaid.	Manholes.	Lamp-holes.	House connections.	Cesspool connections.
Ash.....	Saboon, southerly	Akron.	8	126	.....	.....	.....	.....	2
Bay.....	Clarke, northerly	"	10	298	.....	.....	.....	8	.....
Bismarek.....	Milford, northerly	"	12	162	.....	.....	.....	4	.....
Buzzell.....	"	"	10	759	.....	.....	.....	27	.....
Charleston avenue.....	Lowell, northerly	"	10	286	.....	.....	.....	8	.....
"	Rochelle avenue, westerly	"	12	42	.....	.....	.....	.....	1
"	"	"	10	12	.....	.....	.....	.....	1
Chestnut.....	Carpenter, northerly	"	10	384	.....	.....	.....	.....	1
Clarke.....	Elm to Bay	Portland.	15	328	.....	.....	.....	13	1
Hall.....	Auburn to Cedar south back	Akron.	10	144	.....	.....	.....	12	.....
"	At Spruce south back	"	24	6	.....	.....	.....	.....	4
Harvard.....	East of Wilson to Hall	"	10	269	.....	.....	.....	10	2
Huntress.....	Prince, southerly	"	10	62	.....	.....	.....	1	1
Lowell.....	Beacon to Weston	"	12	216	.....	.....	.....	8	2
"	"	"	10	232	.....	.....	.....	6	1
Massabesic.....	East of Jewett to east of Hall road	"	24	644	.....	.....	.....	5	.....
Morrill.....	Jewett, easterly	"	10	332	.....	.....	.....	9	.....
"	Pine to Union	"	10	506	.....	.....	.....	16	.....
Pleasant.....	Franklin, westerly	"	10	200	.....	.....	.....	1	.....
Prout avenue.....	Hayward, southerly	"	10	462	.....	.....	.....	8	.....
Riley.....	South of Hayward, southerly	"	10	310	.....	.....	.....	5	.....
Union.....	" " to Merrill south back	Portland.	10	192	.....	.....	.....	6	.....
"	"	"	15	144	.....	.....	.....	3	.....
"	North of Clarke, northerly	"	10	650	.....	.....	.....	29	.....
Walker.....	North of Carpenter to north of Trenton	Akron.	12	376	.....	.....	.....	11	.....
Weston.....	Turner, westerly	"	10	34	.....	.....	.....	.....	2
"	Lowell, southerly	"	10	240	.....	.....	.....	8	1
				7,416	.....	39	3	191	20

TABLE No. 23.
MATERIAL, SIZE AND LENGTH OF SEWERS JANUARY 1, 1904

SIZE IN INCHES.	Akron	Portland (old)	Portland (new)	Cement.	Earthen.	Brick.	Cast Iron.	Steel riveted.	Total feet.	Manholes.
6	70								70	
8	12,493	90		7,616			24		12,607	15
9									7,616	1
10	104,469	3,990	8,959		1,175		90		118,623	292
12	91,583		5,925	18,673	2,545		34		118,760	230
14							24		24	
15	37,598		5,163	490					43,249	140
18	5,665	770	1,193	860		5,532			14,020	35
20	14,075		3,439			1,900	158		17,672	59
24	13,188		4,882	735		1,900	36		20,508	83
16 X 24				1,697					1,697	7
23						1,900			1,900	
36						506	277.5	39	822.5	1
42						446			446	
44						1,195			1,195	2
48								372	372	3
57						1,400			1,400	2
60						285			285	1
17 X 26						1,506			1,506	4
30 X 30						1,197			1,197	5
32 X 33						849			849	3
24 X 36						11,051			11,051	38
26 X 39						514			514	2
29 1-4 X 44						4,530			4,530	9
30 X 46						1,360			1,360	1
32 X 48						3,279			3,279	10
36 X 54						1,067			1,067	4
38 X 57						4,388			4,388	8
40 X 64						790			790	4
42 X 63						3,104			3,104	9
50 X 75						712			712	2
Total feet.....	279,079	4,850	29,261	30,071	3,720	47,211	643.5	478	395,313.5	970
Total miles.....	52,856	0.919	5,541	5,685	0.704	8,941	0.122	0.090	74,869	

TABLE No 24.
SUMMARY OF SEWERAGE SYSTEM SINCE 1880.

YEAR.	Miles constructed during year.	Miles constructed to date.	House connections recorded during year.	House connections recorded to date.	Cost of sewers.	Average cost per mile.
1880.....	1.62	18.66	.....	.....	\$19,919.40	\$12,295.92
1881.....	2.18	20.84	.....	.....	23,895.12	10,961.06
1882.....	3.37	24.21	.....	.....	24,148.13	7,165.65
1883.....	2.54	26.75	.....	.....	21,452.05	8,445.69
1884.....	1.73	28.48	.....	.....	21,548.66	12,445.84
1885.....	1.56	30.04	.....	.....	28,122.84	18,027.46
1886.....	2.15	32.19	.....	.....	44,479.15	20,687.97
1887.....	1.44	33.63	.....	.....	19,893.92	13,815.22
1888.....	1.73	35.36	.....	.....	31,154.19	18,008.20
1889.....	2.66	38.02	.....	2,003	27,513.73	10,343.51
1890.....	1.81	39.83	64	2,067	39,297.97	21,711.58
1891.....	3.08	42.91	153	2,220	55,409.73	17,990.17
1892.....	3.13	46.04	214	2,434	39,724.65	12,691.58
1893.....	3.31	49.35	191	2,625	51,392.15	15,526.33
1894.....	2.91	52.26	258	2,883	46,116.01	15,847.42
1895.....	3.98	56.24	255	3,138	71,859.36	18,055.11
1896.....	4.73	60.97	237	3,375	66,408.87	14,099.33
1897.....	*3.93	64.44	283	3,658	36,258.41	9,226.05
1898.....	*3.76	67.62	520	4,178	34,939.51	9,292.42
1899.....	*1.54	69.03	208	4,386	16,683.39	10,819.31
1900.....	*1.14	70.17	231	4,617	13,748.41	12,091.58
1901.....	1.74	71.91	227	4,844	14,724.39	8,462.29
1902.....	*1.95	73.46	186	5,030	20,973.05	10,755.41
1903.....	1.41	74.87	191	5,220	17,330.32	12,291.00
Total..	.....	.....	.....	.....	†\$786,998.35	.....

* Includes old sewers relaid.

† Total cost for 24 years.

TABLE No. 25.

NAME.	RESIDENCE.	No. of ap- plication.	Renewal fee re- ceived.	Class of plumber.	No. of cer- tificate.	Date of renewal.	Date of ex- piration.
Amlaw, Ashley A.	777 Grove	19	\$.50	Master.	18	Aug. 31, 1903	Aug. 31, 1904
Bangs, Charles S.	841 Union	77	.50	"	47	"	"
Beaunier, Albert J.	Springfield, Mass.	50	.50	"	64	"	"
Beaunier, Napoleon J.	275 Bridge	14	.50	"	14	"	"
Belauger, Arthur	88 Pearl	28	1.00	Journeyman.	26	"	"
Belauger, Alfred L.	New Bedford, Mass.	47	"	Master.	37	"	"
Blood, Frank W.	327 Merrimack	76	"	"	84	"	"
Bradley, John J.	16 Second, Amoskeag	22	.50	Journeyman.	21	Aug. 31, 1903	"
Briggs, Thomas J.	21 Market	34	.50	Master.	65	"	"
Brock, James L.	303 Laurel	27	"	"	25	"	"
Brown, Charles W.	Lynn, Mass.	96	.50	Journeyman.	94	"	"
Brown, Warren F.	280 Grove	24	.50	Master.	66	Aug. 31, 1903	"
Burke, John E.	60 McGregor	24	1.00	Journeyman.	22	"	"
Caron, Hermenegelde	252 Cedar	101	.50	Master.	77	"	"
Carr, Thomas H.	244 Cedar	43	.50	Journeyman.	93	"	"
Carvannah, Michael	54 Canal	42	.50	Master.	95	"	"
Cavanagh, Thomas J.	1275 Elm	100	.50	Journeyman.	76	"	"
Clarke, Charles H.	163 Hanover	102	.50	"	58	"	"
Clement, Joseph H.	286 Merrimack	105	"	Master.	82	"	"
Colby, James A.	268 Walnut	7	.50	"	7	Aug. 31, 1903	"
Coleman, Michael J.	47 Elm	72	"	"	63	"	"
Connor, Charles	47 Elm	73	"	"	72	"	"
Connor, John J.	10 Grove, Lowell, Mass.	17	.50	Journeyman.	85	Aug. 31, 1903	"
Connors, John A.	282 Dubuque	31	.50	"	28	"	"
Cote, Renauld C.	New York City	44	"	Master.	80	"	"
Cotter, Garret W.	522 Chestnut	68	.50	Journeyman.	44	"	"
Desmerais, Eadn.	75 Arlington	32	"	"	99	"	"
Dowd, John A.	19 Russell	10	.50	"	10	Aug. 31, 1903	"
Emerson, John M.	Arlington, Mass.	62	.50	Master.	100	"	"
Ewart, John	264 East Spruce	38	.50	"	32	"	"
Farrell, Henry M.	31 Amory	89	.50	Journeyman.	53	"	"
Farrell, John D.	14 Meacham	35	.50	"	30	"	"
Floraud, Joseph	502 Chestnut	33	.50	"	29	"	"
Geisler, John	Hooksett road	41	.50	Master.	35	"	"
Goodyin, Wm. E.	47 Laurel	39	.50	Journeyman.	33	"	"

TABLE No. 26

NAME.	RESIDENCE.	No. of application.	Renewal fee received.	Class of plumber.	No. of license.	Date of renewal.	Date of expiration.
Belanger, Ernest	336 Prospect	12	\$.50	Journeyman.	6	Aug. 31, 1903	Aug. 31, 1904
Brook, Ira C.	341 Amherst	23	.50	"	14	"	"
Chapman, John W.	389 Merrimack	22	.50	"	12	"	"
Cote, Ernest N.	298 Cartier	16	.50	"	10	"	"
Garland, James O.	Hooksett	3	.50	"	2	"	"
Gaudette, Alfred J.	601 Amory	17	.50	"	13	"	"
Hartshorn, John E.	485 Pine	11	.50	"	5	"	"
Kelley, James V.	452 Pine	9	.....	"	4	.....	.....
Knoetner, Fred O.	326 North Main	1	.....	"	3	.....	.....
Lewis, Albert M.	43 Ashland	14	.50	"	8	Aug. 31, 1903	"
McLaughlin, John T.	284 East Spruce	20	.50	Master.	11	"	"
Nealey, Chestley E.	51 West Merrimack	13	.50	Journeyman.	9	"	"
Raiche, Trefle	53 Amory	5	.50	Master.	7	"	"
Seaman, Carl O.	14 South	4	.50	"	1	"	"

TABLE No. 27.

NAME.	RESIDENCE.	No. of application.	Examination fee received.	Class of plumber.	No. of license.	Date of issue.	Date of expiration.
Brook, Ira C.	341 Amherst	23	\$1.00	Journeyman.	14	June 12, 1903	Aug. 31, 1903
Chapman, John W.	389 Merrimack	22	1.00	"	12	" 12, 1903	"
Cote, Ernest N.	298 Cartier	16	1.00	"	10	Feb. 3, 1903	"
Gaudette, Alfred J.	601 Amory	17	1.00	"	13	June 12, 1903	"
McLaughlin, John T.	284 East Spruce	20	1.00	Master.	11	Feb. 27, 1903	"
Soly, Jerome H.	1197 Elm	25	1.00	"	15	Sept. 18, 1903	" 31, 1904

TABLE No. 28.
SUMMARY OF TABLES NOS. 25, 26, AND 27.

Master plumbers' certificates renewed during the year 1903.....	.....	30
Journeyman plumbers' certificates renewed during the year 1903 .....	.....	38
Master plumbers' licenses renewed during the year 1903 .....	.....	3
Journeyman plumbers' licenses renewed during the year 1903.....	.....	11
Master plumbers' licenses granted during the year 1903	2	.....
Journeyman plumbers' licenses granted during the year 1903	4	.....
	6	82

To His Honor the Mayor, the board of aldermen, the gentlemen of the common council, and the various committees with whom it has been my pleasure to come in contact, I wish to express my appreciation of the valued assistance and support you have rendered me during the year.

My acknowledgments are due to the gentlemen of the street and park commission for their courtesy, consideration, and co-operation in matters in which we were mutually concerned.

SAMUEL J. LORD,
City Engineer.

REPORT
OF THE
SUPERINTENDENT OF SCHOOLS.

IN BOARD OF SCHOOL COMMITTEE.

DECEMBER 29, 1904.

The Superintendent presented his annual report to the committee, and it was accepted.

Voted, That the report by the superintendent be accepted and adopted as the report of the board, and that it be transmitted to the city councils for publication in the annual City Report.

ELLIOT C. LAMBERT,
Clerk.

SCHOOL DEPARTMENT.

Organization for 1903.

SCHOOL COMMITTEE.

EUGENE E. REED, Mayor,			Chairman, <i>ex officio</i> .
C. EDWIN CHASE,		President of Common Council,	<i>ex officio</i> .
WARD 1.	Elliot C. Lambert.	WARD 6.	Eugene B. Dunbar.
	Walter B. Heath.		Harry L. Davis.
WARD 2.	J. W. Johnston.	WARD 7.	Edward B. Woodbury.
	Will C. Heath.		Edson S. Heath.
WARD 3.	George D. Towne.	WARD 8.	Walter B. Mitchell.
	Louis E. Phelps.		Benjamin Price.
WARD 4.	Nathaniel L. Colby.	WARD 9.	R. Emmet Walsh.
	I. N. Cox.		Alarie Gauthier.
WARD 5.	John T. Kelley.	WARD 10.	Mark E. Harvey.
	John F. Lee.		Harry H. Burpee.

VICE-CHAIRMAN OF THE BOARD.

GEORGE D. TOWNE.

CLERK OF THE BOARD.

ELLIOT C. LAMBERT.

SUPERINTENDENT OF PUBLIC INSTRUCTION.

CHARLES W. BICKFORD.

SUPERINTENDENT'S CLERK.

FANNIE L. SANBORN.

TRUANT OFFICER.

CURTIS W. DAVIS.

STANDING COMMITTEES.

Finance.—Mayor Reed, Messrs. Chase, Lambert, Woodbury, and Walsh.

Salaries.—Messrs. Kelley, Cox, and Burpee.

Text-Books.—Messrs. Towne, Phelps, Cox, and Woodbury.

Music.—Messrs. W. C. Heath, Price, and Lee.

Drawing.—Messrs. E. S. Heath, Johnston, and Dunbar.

- Mannual Training.*—Messrs. Phelps, W. B. Heath, and E. S. Heath.
Examination of Teachers.—Messrs. Colby, Johnston, and Mitchell.
Fuel and Heating.—Mr. Burpee, Mayor Reed, Messrs. Chase, Harvey, and Lee.
Repairs.—Messrs. Davis, Walsh, and Gauthier.
Attendance.—Messrs. Price, Gauthier, and W. C. Heath.
Health.—Messrs. Dunbar, Davis, and Mitchell.

SUB-COMMITTEES.

- High School.*—Messrs. Towne, Phelps, Lambert, Walsh, and W. B. Heath.
Franklin-street.—Messrs. Woodbury, Davis, and Lee.
Spring-street.—Messrs. Kelley, Dunbar, and Woodbury.
Lincoln-street and Youngsville.—Messrs. Colby, Lee, and W. C. Heath.
Ash-street and Webster's Mills.—Messrs. Phelps, W. C. Heath, and Gauthier.
Webster-street and Stark.—Messrs. Burpee, Towne, and Johnston.
Bakersville and Mosquito Pond.—Messrs. W. B. Heath, Johnston, and Mitchell.
Varney.—Messrs. Mitchell, Walsh, and Cox.
Hallsville and Harvey.—Messrs. Davis, Harvey, and Price.
Rimmon.—Messrs. Gauthier, E. S. Heath, and Towne.
Training School.—Messrs. Lambert, Woodbury, and Phelps.
Main-street.—Messrs. Walsh, W. B. Heath, and Burpee.
Parker.—Messrs. Price, Burpee, and E. S. Heath.
Wilson.—Messrs. Dunbar, Gauthier, and Harvey.
Straw.—Messrs. E. S. Heath, Kelley, and Colby.
Amoskeag.—Messrs. W. C. Heath, Phelps, and Kelley.
Goffe's Falls.—Messrs. Harvey, Mitchell, and Dunbar.
Pearl-street.—Messrs. Johnston, Cox, and Walsh.
Highland.—Messrs. Cox, Price, and W. B. Heath.
Evening Schools.—Messrs. Lee, Colby, and Davis.

SUPERINTENDENT'S REPORT.

To the School Board, the City Councils, and the Citizens of Manchester:

The following statistics, record of accomplishments, and suggestions for the good of the public schools are presented as the annual report for the year 1902-1903. The report is the fifty-seventh annual and the forty-eighth of a superintendent.

SCHOOLS.

One hundred thirty-one different schoolrooms have been in use during the entire year. This is an increase of two over the number for the year 1901-1902.

These rooms are classified as follows: Fifteen rooms of high school grade, thirty-three of grammar grade, twenty-seven of middle grade, forty-seven of primary grade, two partially graded, five ungraded, and two manual training schools.

These figures show a decrease of one grammar room and increases of two and one primary and partially graded rooms respectively, a net increase of two rooms for the year, both being in the new Highland school.

There have been variations in the grading of the different rooms as follows: The Wilson lost one grammar and gained one primary room by reclassification of pupils. The Spring-street gained one grammar and lost one middle. The Main-street gained one middle and lost one grammar room. In addition to these changes, one new primary room and one room classified as a partially graded school were opened in the new Highland school.

In cases of the Rimmon primary and grammar schools, two teachers keeping separate registers occupy one room. These, therefore, are to be reckoned as separate schools and the number of rooms occupied is not a criterion as to the number of schools or as to the number of grade teachers in the city. To illustrate: Thirty-three rooms were occupied by grammar school pupils. In these thirty-three rooms thirty-four registers were kept and there were thirty-six teachers in charge, not including supervising principals. There were twenty-seven rooms of middle school pupils, twenty-seven registers were kept and twenty-seven teachers were employed. There were forty-seven rooms occupied by primary pupils, forty-seven registers were kept and forty-six teachers employed. These last two items do not include the one middle and three primary teachers in the Training school, the rooms of these grades being taught by members of the training classes. Were these to

be included the number of teachers of middle grade would be twenty-eight, and of primary grade forty-nine. There were, therefore, employed by the city to instruct its children in the day schools just one hundred and fifty teachers in one hundred and thirty-one rooms keeping one hundred and twenty-eight registers.

ATTENDANCE.

Six thousand and thirteen pupils have been enrolled during the year. The average membership has been four thousand seven hundred and seventy-four, the average daily attendance four thousand three hundred and thirty-eight.

All these figures show decreases from those of 1901 and 1902. The per cent of daily attendance has also been lower by 1.1 per cent, which in itself means a decrease in attendance of fifty-two pupils daily. The high and partially graded schools alone show increases in membership. The grammar, middle, primary, and ungraded schools have lost enough pupils so that the average membership is one hundred and two less than for the year 1901-1902.

A comparison of the year's membership, room by room, with that of last year reveals only the ordinary fluctuations in classes. Some grades have lost a few pupils, others have gained a few. In those grades suffering the loss are classed one hundred and twelve rooms, so that the average loss has been less than one pupil per room.

For the past three years, the percentage of tardinesses throughout the city has gradually increased, the greatest increase having been during the past year, when the number has jumped from nine thousand two hundred and twenty-four to nine thousand eight hundred and sixteen, an increase of 8.6 per cent, and that with a membership smaller by one hundred and two than for the preceding year.

Promptness is one of the first of the virtues to be inculcated by the schools. The necessity for it need not be dwelt upon. I suggest that the board sanction the dismissal, one hour earlier than the usual time at the end of the school month, of every room having an attendance of ninety-five per cent or over, with no tardinesses during the month.

SCHOOLS.	Average membership.	Tardinesses.	Per cent.
High.....	405	1,586	1.16+
Franklin	265	457	.49+
Lincoln.	392	991	.73+
Ash	387	275	.24+
Varney	342	265	.22+
Webster	331	338	.29+
Bakersville	218	366	.48+
Hallsville	411	942	.66+
Rimmon	166	275	.47+
Wilson.....	344	462	.38+
Parker.....	238	193	.23+
Straw.....	199	326	.47+
Spring-street	133	465	1.00+
Amoskeag	97	705	2.09+
Merrimack-street.....	140	356	.73+
Main-street	326	286	.25+
Pearl-street.....	157	299	.54+
Highland	55	41	.45+
Goff's Falls	82	163	.57+
Ungraded.....	86	1,025	3.43+
	4,774	9,816	.....

CHANGES AND TRANSFERS.

Changes and transfers among our teachers have been fewer than for many years past.

The opening of the Highland school necessitated the employment of two additional teachers, Miss Blanche L. Bachelder and Miss Helen Townsend. The former entered the employ of the city at the beginning of 1903, the latter at the opening of the spring term in April.

At the close of the school year Miss Lizabel Savory resigned her position as teacher of the lower primary room at the Spring-street school and Miss Helen F. Lyons was elected to the vacancy thus created.

Miss Bertha Fogg continued to teach the fourth division at the Lincoln-street school in place of Miss Mary F. Barnes, granted additional leave of absence on account of ill health. In April, Miss Amy E. Davison was elected to teach the extra room in the same building.

At the same time Miss Florence M. Francis was elected to the Hallsville building in place of Miss Davison.

At the high school Miss Edith M. Pierce has been employed as assistant teacher in book-keeping, stenography, and typewriting.

MANUAL TRAINING SCHOOL.

The present equipment of the manual training school includes thirty wood-working benches each with its set of tools, three ten-inch turning lathes, two engine lathes and one drill press. For these last there is a very moderate equipment of tools.

One of the engine lathes has been loaned the school by the Amoskeag Manufacturing company. The drill press has been purchased during the past year and, with its tools, cost about \$185.

The principal informs me that the school now needs to carry on its course in iron work a small shaper and another engine lathe, this last to take the place of the one loaned by the Amoskeag Manufacturing company.

There is also need of a hand saw and a few small tools. The cost of the complete equipment would be about \$400.

The total enrollment for the year has been 316, a slight increase over that of 1901-1902.

EVENING SCHOOLS.

The attendance in the public evening schools for the year 1902-1903 has fallen below that of the previous year by fifty-four. This decrease has occurred in the schools teaching the common branches. The nightly attendance of the drawing schools has increased from nineteen to thirty-one.

The majority of the pupils in the evening common schools attend for the purpose of learning the English language. A very few return year after year and secure a grammar school education.

The grading of these pupils is a difficult task. Their occasional absences retard their advancement. The fact that \$88 was turned into the city treasury as result of forfeitures for non-attendance shows that one hundred and seventy-six pupils, more than one-half of the total registration, failed to attend the length of time required to receive back their deposits. The books in use in the evening schools are much dilapidated and I suggest that the money obtained from forfeitures during the present year be retained by the board for the purchase of new books at the opening of the next term of these schools.

TRAINING SCHOOL FOR TEACHERS.

The training school for teachers has maintained its high standard of efficiency during the year just closed. The purchases of books, raffia and reeds and other needed supplies for the school have given it all the working tools that it has desired. The seat work of the pupils in

weaving and basketry is especially deserving of inspection. The cutting and mounting of surfaces and figures, forms of manual training adapted to the ages of these pupils, are most commendable.

The action of the committee in changing the plan for the admission of candidates to this school can not be too strongly commended. The last class was admitted as a result of a thorough test in the elementary studies pursued in our schools. Formerly there have been failures among the young ladies both from lack of adaptability to the work of teaching and in scholarship. It would seem that, with this plan in operation, failure in the school can come only through lack of adaptability. Scholarship so far as it can be determined by an examination is assured.

The experience of the past year has also demonstrated the inadvisability of admitting too large a class to the institution.

I know of no other training school of this size in which the pupils rely for their instruction upon pupil-teachers wholly. The rooms in such schools have and should have their regularly elected grade teachers. The pupil-teacher should first observe and study correct teaching, an inestimable advantage, then she should try her apprentice hand under the constant surveillance of the skillful grade teacher. The young teacher, herself but little more than a school girl, needs at the beginning the very closest of direction and supervision. All and the minutest details of the work must be overseen and directed by the principal and her assistant. Bad habits of teaching early formed are almost ineradicable.

HIGH SCHOOL.

The continued prosperity of the high school is a source of gratification both to the school board and to the community. The standard of the school was never so high as at present. The corps of instructors is able and ample. The good management of the principal and his assistants has created a strong feeling of pride on the part of the pupils in the institution. This has been contributed to by the various organizations, literary and athletic, which are associated with the school.

The social gatherings of the pupils of this school in the building under the charge of the teachers at stated times should, it seems to me, be encouraged by the school board. These young people are to be of the world and in the world; they must meet and mingle with people under many different circumstances. They need to learn self-possession, to be freed from the restraint that arises from self-consciousness if they are to be able to pass at their true worth. The mingling of the young ladies and the young men at these gatherings teaches consideration for others, forgetfulness of self, and gives self-control. The gatherings exercise a beneficial influence upon the school.

The curriculum includes all of the studies and the quantity of work in each necessary for admission to college. The general courses are

excellent, a pupil being able to so elect his studies that science, mathematics, languages, history, or business may be the predominating note.

The day's work in this school is divided into six periods. With five school days per week this gives thirty periods weekly for study and recitation. The course as laid down requires in the second and fourth classes nineteen recitation periods per week, in the first and third classes twenty recitation periods per week, leaving for study eleven and ten periods respectively.

In addition to this required work some pupils take extra studies, carrying the number of recitations to twenty-four or twenty-five per week. It is a serious question as to whether or not the number of recitations required per week is too many, and also as to whether it may not be advisable to rearrange the course of study so that a pupil so desiring may take a longer time to complete the course. The multiplication of recitations becomes especially necessary when a pupil, not having elected college studies, suddenly decides to enter college. The omitted studies are taken on as extras and constitute a great burden upon the pupil. The rearrangement of the course could be made to care for these as well as for others whose progress is slower and who therefore need more time to complete the course.

PARKER SCHOOL LOT.

The majority of our school buildings are provided with adequate playgrounds. The advantages of wide open spaces about school buildings for recreation, air, and light need not be dwelt upon. It is an admitted fact that the playground at the Parker school is not adequate to the needs of the pupils. It is possible to procure the land at the north side of this building at a fair price. In all probability it can never be purchased cheaper than at the present time, certainly not if buildings shall be erected upon it in the future. It is also a well-known fact that as a city increases in size land becomes more valuable. It would, therefore, seem to be good policy to purchase this strip of land not only for playground, air, and light but also to provide room for the future enlargement of the building.

ACCOMMODATIONS.

The report of the school committee last year directed the attention of the citizens to needed increases in school accommodations in various parts of the city. The conditions have remained *in statu quo*. Two years ago a special committee appointed by this board recommended to the city government the erection of an addition to the Hallsville school. The attendance at this building remained practically stationary during 1902-1903. At the opening of the September term, 1903, there was a large increase in primary pupils. Ninety-three pupils were registered in one room. It was impossible to care for them adequately, and the plan of having a portion attend the forenoon session and

the remainder the afternoon session was adopted. This plan is now in force. It is claimed by many that children under the age of six should attend school but a short period each day.

The advancement of the young child who has just entered school depends not upon the number of hours he attends, but upon the frequency with which the teacher is enabled to call up in his mind the simple activities connected with school work. A long attendance in point of hours with few periods of work with the teacher is, accordingly, less beneficial than a shorter attendance with more frequent periods of work, but the full school day with its frequent short teaching periods gives the best results because it affords opportunities for that repeated activity of mind so necessary to its growth in power. Accordingly these children that have been attending but a half day have not accomplished so much as those attending both school sessions, because of lack of opportunity to keep what has been taught fresh in mind.

One primary school in this section is still accommodated in a rented store. There are today four hundred and forty-five children belonging in this school, two hundred and twenty-seven being primary children, eighty-three more than the primary rooms will accommodate.

The withdrawal of children from this and the Wilson school by the opening of the new parochial school will probably not be wholly from the primary rooms. Were that to be the case the school might be relieved temporarily. However, it is not fitting that the municipality should depend upon or expect any private institution to educate its children. On the contrary, it should make its schools so excellent both in the matter of instruction and accommodations that its citizens will prefer them to all others.

The Goffe's Falls school has a membership of eighty-six, which exceeds the normal seating capacity of the building. The rooms are crowded. Three teachers instruct the children, one of these conducting her classes in a small entry. This entry is heated by an oil stove, the only available method of heating it. The children are warmed at the expense of their lungs. The school is growing slowly and steadily and deserves adequate room.

The necessity of presenting these matters to the city government will, I am sure, appeal to every member of this committee. A small portion of the increased revenue that the city will receive during the coming year will remedy these deficiencies in school accommodations.

TRANSPORTATION OF PUPILS.

The school report of last year called attention to the disparity in cost between the suburban ungraded schools and those in the city proper. The average attendance in these schools has been less than for 1901-1902. The cost during that year was 38.5 per cent greater than in the city proper. With a smaller membership the cost has increased and for 1902-1903 has been more than 2 per cent greater than during the preceding year.

The following from the report of the state superintendent of public instruction gives the experience in this state in regard to reduced cost of schools through transportation of pupils. "Of 124 New Hampshire towns, 118 report less cost with conveyance as compared with maintaining local schools, five report cost the same and one cost greater, twenty-six give the cost with conveyance as one half of that with local schools, eight give one third, seven give one fourth, three give one fifth, one each one sixth, three eighths, two fifths, and three fifths."

In Massachusetts 68 per cent report less cost and 8 per cent only an increased cost.

The teachers of these schools are doing as good work as can be done under present conditions. Improvement and reduced cost can come only by transferring these suburban pupils to the graded schools. The universal experience has been that attendance and instruction have been much bettered. A canvass of one of these districts by the board and an attempt to gain the consent of the parents to a trial of the plan, would, I am sure, be crowned with success. The plan once inaugurated in any district would find its warmest adherents in the parents of the pupils so transported.

LEGISLATIVE ENACTMENTS.

Of the legislative enactments of the General Court of 1903 the following are those directly affecting the city.

Section 6 of chapter 92 of the laws of the state was amended so as to require the reading of the constitution of the United States and the constitution of the state of New Hampshire in the last year of the course below the high school.

Section 8 of the same chapter was also amended to read as follows: "They shall purchase at the expense of the city or town in which the district is situated, a United States flag of hunting not less than five feet in length with a flag staff and appliances for displaying the same, for every district in which a public school is taught not otherwise supplied. They shall prescribe rules and regulations for the proper custody, care and display of the flag, and whenever not otherwise displayed, it shall be placed conspicuously in the principal room of the schoolhouse. Any members of a school board who shall refuse or neglect to comply with the provisions of this section shall be fined \$10 for the first offence and \$20 for each subsequent offence. Not more than \$10 shall be expended for the flag, flag staff and appliances for any one schoolhouse, and the school board shall have the same control over its preservation and display that it has over other district property."

All of our schools are supplied with flags and flag staffs, nor has it been necessary to purchase any flag staffs since the law went into operation. The sum of \$10, the limit to the expense set by the law, would seem ridiculously inadequate for the erection of such poles as the board has been accustomed to raise.

No rules and regulations for the proper custody, care, and display of the school flags have been formulated as yet by the board, and I recommend the matter to your consideration.

The time for the return of the annual report of school boards to the state department was changed by the same legislature from August 1 to July 15, and the return of this body was made in accordance with the revised law.

The mandatory part of section 21 of chapter 92 of the laws of the state was stricken from the section. This section is in regard to attendance upon teachers' institutes, and the words "and school boards shall allow teachers to close their schools for that purpose," meaning to attend institutes, were stricken from the law. School boards may accordingly refuse to allow teachers to attend institutes. Should permission be given to attend, however, the time is regarded as spent in the service of the district and accordingly must be paid for.

Chapter 46, Laws of 1895, was so amended as to cause the annual enumeration of children between the ages of five and sixteen years to be made in the month of October, instead of in the month of April.

KINDERGARTENS.

Nearly three years ago a band of public-spirited women in this city, believing that the citizens should have among their educational institutions every department that will facilitate the growth of the child mind in power and that will conduce to the development of a well rounded character, established a free public kindergarten, secured competent teachers for the same, provided furniture, gifts, games, all the employments necessary for carrying on an enterprise of this sort. They conducted the school in rented quarters until last March, when by permission of the school board it was transferred to an unoccupied room in the Spring-street building. The pupils from this kindergarten have entered the public schools of the city.

The Manchester Kindergarten association has carried this work on most successfully and demonstrated the practicability of conducting a kindergarten in our midst. Having passed its experimental stage, the school is now offered to the city with all of its furniture and equipment. There can be no time more auspicious than the present for the incorporation of kindergartens into our school system.

The adoption of the kindergarten idea does not necessarily mean that kindergartens shall be established in all parts of the city at the same time. Let the control of this well-established one be undertaken by the city, and later, as there is opportunity and demand, let another be started, these two to be followed later by others.

All growth and power result from action. The child's five senses are the avenues through which only he gains impressions, sensations, ideas, and is enabled to react upon his surroundings, thereby gaining experience which alone is knowledge. The kindergarten directs the training of these five senses and aids development by carefully directing

the child's activities. The characteristic of the kindergarten is work, carefully directed employment for these eager, active, plastic minds. "Body and mind are born together, both must be appropriately assisted in their growth."

I hope that the school board will see fit to accept this school from the Kindergarten association with fitting acknowledgment to its founders of the obligation under which they have placed the city.

HEALTH.

The state for its own salvation and advancement takes upon itself the education of the children of its citizens. It engages thereby to educate these children not under the same conditions as those under which it educated their parents, not under conditions just as good as those under which it educated their parents, but under the best conditions that modern science and knowledge can provide.

It engages primarily to place them amid healthful surroundings, to furnish them with plenty of fresh air, to house them in buildings as clean as it desires them to be physically and spiritually.

The influence of clean buildings is twofold, first it conduces to healthfulness of body, and second to healthfulness of mind. The nature which rises superior to its environment is the exceptional one, and the influences which surround us, of which we are generally unconscious, are the strongest factors in making us what we are.

It is well nigh impossible to inculcate habits of cleanliness and order in an ill-kept, unclean school building. I believe the janitors of the several schools mean to be efficient and to keep their buildings clean. But there are different ideas as to what constitutes a clean building. Furthermore, few men are competent to clean a building as it should be cleaned. The proper cleaning can be had only at the hands of women and by them our buildings should be washed. Again, one thorough washing a year is not sufficient to keep a building in a healthful condition. Buildings should be thoroughly washed at least three times a year. The thorough cleansing of an eight-room building requires at least ten days of labor. The winter and spring vacations are too short to admit of the proper cleansing of the buildings by the janitors alone.

I recommend that the board require the thorough washing of every school building during each vacation and that they hire women to assist the janitors in doing the work.

Both the quality and the quantity of physical and mental work are conditioned by the fresh air supply of the rooms in which the work is carried on. Our mills and factories are planned and constructed with reference to the atmospheric conditions under which the work is to be done. Seven of our buildings, the Franklin-street, Lincoln-street, Ash-street, Webster-street, Spring-street, and Bakersville schools, five of these being of the largest, were erected at times when no special thought was given to the necessity for an abundant supply of fresh air.

Almost the only means of ventilating these buildings is by the windows and doors, a method which totally fails to provide the necessary quantity of air and besides endangers the health of some children who **must of necessity sit in the drafts** created by the opening of the doors and windows. In winter when all the windows but those with a southern exposure are closed by the screwing on of storm windows, thorough ventilation is an impossibility. The defects in these buildings in regard to ventilation should be gradually remedied.

The use of the same text-book by different children is regarded by many as a menace to the health of pupils. This in some cases is undoubtedly true. To quote from a report of the United States commissioner of education: "Books are considered one of the best natural cultures for disease germs known, and no mode of sterilizing will cleanse them."

In our own schools all of the books used by any pupil having a contagious disease are burned. This has been the practice for years. As to the use of the same book by different pupils, in case the first user has been well it is fair to presume that there is no danger to the second possessor of the book. As before stated, in case the first has had a contagious disease the book has been destroyed. The city never buys second-hand books. Accordingly, very little danger to health is to be apprehended from this source.

There would arise in connection with this matter the consideration of the desirability of rebinding worn-out text-books. The leaves of such books are reassembled at the bindery, as many whole books being turned out as can be made up from the parts sent to it. Surplus leaves from one city may be, I have been told that they are, used to piece out books from another city. Further, the mingling of books from many different sources in the same bindery is a menace to health and leads one to question the desirability of rebinding school books at all.

The use of drinking cups in common by the pupils of a school may rightly be considered a source of danger to health. Many pupils are provided by their parents with individual cups. To so supply every pupil at public expense is impracticable. There has been put upon the market recently a device for obviating any danger that may lurk in the common drinking cup. This device is known as the sanitary drinking fountain. The name is self-explanatory—the water is taken into the mouth from a small jet flowing under constant pressure. No metal touches the lips and there can be no possibility of contagion. The installing of these fountains in our different schools is much to be desired.

The prompt and thorough action of the board of health in the late diphtheria epidemics in our schools deserves public acknowledgment and commendation. The two buildings infected, the Ash-street and Webster-street schools, were thoroughly cleansed and disinfected and that with as brief an interruption of school work as possible.

COURSE OF STUDY.

Change and growth are to be expected on the part of institutions and curricula as well as on the part of individuals. The course of study that remains stationary grows increasingly less useful. Since the last printing of our course of study the prescribed work in reading for the primary schools has changed almost completely, the course in arithmetic has been radically changed, we are using a new history, the geography assignments for the various classes have been rearranged, the system of writing has been changed, a physiology adopted, and the language work of the grammar schools has been much bettered. With the completion of a new course in number work for the primary schools it will be possible and desirable to have the course of study reprinted. The changes above mentioned have been indicated by leaflets sent out from time to time, so that at present more of the course of study is to be found on leaflets than in the printed pamphlet.

The new law of the state requiring the reading of the constitution of the United States and the constitution of the state of New Hampshire in the last year below the high school will allow of our dropping civics as now taught during the last eight weeks of the winter term. This time is much needed for physiology, a study prescribed by law and requiring text-books in the hands of pupils. The experience of last year demonstrated that eleven weeks was too short a time in which to do justice to the study. I recommend that physiology be taught during the entire last half of the ninth year of the elementary schools.

The language work of the grammar schools has shown, during the past year, more improvement perhaps than the work in any other study. The chief defect in most language books is that they fail to cause the pupil to grow mentally. They do not base their work upon his experiences or upon his interests. In life we talk and write about those things which come within our ken and which pertain more immediately to our everyday life and interests. Language books of necessity must fail largely in this respect. Conditions are different in different communities and even in different schools in the same community. The ordinary language book furnishes to the pupil both content and form. The use of the material becomes hardly even a matter of memory, it is rather a mechanical exercise in copying. I do not decry the providing of a certain quantity of material and a certain exercise upon form, but the content which comes from the pupil's own mind, which is the result of his own seeing and dealing with things, in short, which results from his own experience, is the only kind which adequately exercises his mind and accordingly produces power.

The language work has been based upon the plan laid down in a small pamphlet entitled, "The Conduct of Composition Work in Grammar Schools." Two lessons each week have been devoted to the work. Spontaneity on the part of pupils has been sought for. They have been encouraged to write with the same freedom with which they converse

one with another. The month's work has been divided into four parts. The first week is devoted to experience, the second to an imaginative story, the third to a reproduction lesson, and the fourth to a letter. This last usually partakes of the nature of the first. The pupil, by discussion and correction, is taught to realize the relative values of different statements in narrating experiences and not minutely to specify each step in a series of actions, in other words, to omit unimportant details and facts which may be taken for granted. The production of a description is a much more difficult task for a pupil than the writing of a narration. A narration abounds in verbs, action words, the doing of things; a description involves more largely the use of nouns and adjectives, the producing of pictures by means of words. Breadth of experience is necessary for the latter.

The exercises have been made short both to maintain interest and not to burden the teachers with too long tasks of correcting. The improvement in the work of the pupils has been most gratifying.

In conclusion I desire to express my appreciation of the efforts of the members of this board to serve the best interests of our schools and to acknowledge also the debt due to the teachers for whatever of advancement has been made during the past year.

Respectfully submitted,

CHARLES W. BICKFORD,

Superintendent.

APPENDIX.

- I. POPULATION, ETC.
- II. SCHOOLHOUSES.
- III. SCHOOLS.
- IV. TEACHERS.
- V. ATTENDANCE TABLES.
- VI. TRUANCY.
- VII. FINANCE.
- VIII. SCHOOL YEAR, 1902-1903.
- IX. HIGH SCHOOL GRADUATES.
- X. WINNERS OF CLARKE PRIZES.
- XI. ORGANIZATION OF COMMITTEES, 1904.
- XII. LIST OF TEACHERS, 1904.
- XIII. SCHOOL YEAR, 1903-1904.

APPENDIX.

STATISTICS.

I.—Population.

Population of the city by last census, 1900	56,987
Legal school age, 5 to 21.	

II.—Schoolhouses.

Number of schoolhouses in use	25
Number of schoolhouses not in use	0
Number of schoolrooms used for day schools	131
Number of rooms used for high school classes	15
Number of rooms used for grammar schools	33
Number of rooms used for middle schools	27
Number of rooms used for primary schools	*47
Number of rooms used for partially graded schools	2
Number of rooms used for ungraded schools	5
Number of rooms used for manual training schools	2

III.—Schools.

(All for both sexes.)

Number of high school buildings	1
Number of combined grammar and lower grade (middle and primary) schools	14
Number of combined middle and primary schools	4
Number of ungraded schools	5
Number of manual training schools (for boys)	1

IV.—Teachers.

Male teachers in the high school	5
Female teachers in the high school	12
Female teachers in training school	2
Male teachers in the grammar schools	7
Female teachers in the grammar schools	†35

* Average of 46 for year.

† Six of the 35 master's assistants.

Female teachers in the middle schools	*27
Female teachers in the primary schools	*46
Male teachers in the partially graded schools	1
Female teachers in the partially graded schools	1
Female teachers in the ungraded schools	5
Male teachers in the manual training school	2
Special teachers	3
Average number of male teachers	17
Average number of female teachers	129
Total average number of teachers in day schools	*146
Male teachers in the evening schools	6
Female teachers in the evening schools	11
Male teachers in the evening drawing schools	2
Average number of male teachers in the evening drawing schools	2

*Not including training school.

V.—TABLE SHOWING THE ATTENDANCE UPON THE VARIOUS DAY SCHOOLS FOR THE YEAR 1902-1903.

SCHOOLS.	* Whole number belonging.		Average membership.	Average daily attendance.	Per cent of daily attendance.	TEACHERS.
	Boys.	Girls.				
High School	200	243	405	384	94.9	George H. Labbay, Master. G. L. Hopkins, sub-master. Harry N. McLaren. Hiram A. Stearns. Allen E. Herrick. Nellie Tickering. Florence M. Locke. Theresa E. Stanton. Mary J. Wellington. Ethel J. Cummings. } Assistants. Sara Hunt. Annie W. Colby. Mary H. Dowd. Winona M. Martin. Elsie D. Fairbanks. Annie M. Vose. Edith M. Pierce.
GRAMMAR SCHOOLS.						
Franklin-street, First Division	14	17	29	27	93.8	{ Isaac Huse, Jr., Master. Alice C. Taggart. Carrie E. Holt. } Assistants. Carrie E. Head. Nellie C. Parker.
" " Second	18	17	30	28	91.8	
" " Third	15	27	31	27	87.9	
" " Fourth	21	13	31	28	89.7	
Franklin-street totals	68	74	121	110	90.3	
Lincoln-street, First Division	16	27	39	37	93.9	{ Fred L. V. Spaulding, Master. Annie W. Patten. Belle R. Daniels. } Assistants. Mabel J. Brickett. Mary F. Barnes. Bertha M. Fogg, substitute.
" " Second	21	29	44	41	93.3	
" " Third	26	28	42	39	91.9	
" " Fourth	26	25	44	39	88.2	
Lincoln-street totals	89	109	163	156	92.3	

Ash-street, First Division.....	23	28	39	37	95.4	{ Edgar D. Cass, Master. { Amelia L. Graupner. { Emma L. McLatch. { Lora F. Hill. { Ellen E. Connor. } Assistants.
“ Second “	24	26	45	42	93.4	
“ Third “	29	41	38	38	93.2	
“ Fourth “	27	21	44	41	93.1	
Ash-street totals	103	102	169	158	93.4	
Varney, First Division	18	20	33	32	96.9	{ George Winch, Master. { Florence M. Ward. { E. Maria Dickey. { Ellen F. McKeon. { Millie S. Morse. } Assistants.
“ Second “	31	29	50	49	97.2	
“ Third “	25	26	40	38	96.1	
“ Fourth “	27	35	49	46	94.5	
Varney school totals.....	101	110	172	165	95.9	
Webster-street, First Division	23	29	49	46	94.9	{ John Gault, Master. { Josephine W. Page. { Luma A. Whitlock. { Alta C. Willard. { Eva F. Tuson. } Assistants.
“ Second “	24	21	41	38	92.0	
“ Third “	17	29	37	35	94.3	
“ Fourth “	24	19	39	36	92.4	
Webster-street totals	88	98	166	155	93.4	
Bakersville, First and Second Divisions	23	28	35	32	92.2	{ Lizzie A. Burns. { Lelia A. Brooks. { Cora M. Farmer, Assistant.
“ Fourth Division	21	23	30	27	91.3	
Bakersville totals	44	51	65	59	90.8	
Hallsville, First and Second Divisions.....	21	24	39	36	91.1	{ William H. Huse, Master. { Ella F. Parker. { Olive A. Rowe. { Mary L. Ayer. } Assistants.
“ Third Division	22	23	41	38	92.7	
“ Fourth “	25	28	43	38	88.9	
Hallsville school totals	68	75	123	112	91.1	
Rimmon, First, Second and Third Divisions.....	13	20	30	28	92.2	{ Louis H. Bailey, Master. { Lillian F. Crowther, Assistant.
“ Fourth Division	8	13	17	15	89.8	
Rimmon school totals.....	21	33	47	43	91.5	
Wilson, First, Second and Third Divisions.....	23	39	52	49	93.6	{ Barbara B. Joy. { Mary E. McLaren. { Helicu Morrison.
“ Fourth Division	18	32	46	37	93.1	
Wilson school totals.....	41	71	92	86	93.5	

ATTENDANCE UPON THE VARIOUS DAY SCHOOLS.—Continued.

SCHOOLS.	* Whole number belonging.		Average membership.	Average daily attendance.	Per cent of daily attendance.	TEACHERS.
	Boys.	Girls.				
Parker, Fourth Division.....	22	18	36	35	97.1	Mary E. Moulton.
Straw, Third and Fourth Divisions.....	18	22	23	22	95.4	Lizzie P. Gove.
" Grammar and Middle.....	24	22	26	24	93.2	Gertrude H. Brooks.
Spring-street, Fourth Division.....	21	21	26	23	87.6	Annabel Emerson.
Amoskeag, Grammar Division.....	15	20	30	25	84.1	Mary A. Buzzell.
GRAMMAR SCHOOL TOTALS.....	723	826	1,265	1,173	92.7	
MIDDLE SCHOOLS.						
Franklin-street, Higher.....	23	23	36	31	86.1	Alice M. Lamprey.
" Lower.....	26	25	30	26	87.3	Anny K. Northrup.
Lincoln-street, Higher.....	32	24	49	46	93.7	Etta L. Stearns.
" Lower.....	31	18	45	41	90.9	Bertha A. Allen.
Ash-street, Higher.....	32	28	49	45	92.0	Emma J. Cooper.
" Mixed.....	18	23	40	35	88.4	Marjorie S. Woodbury.
" Lower.....	22	27	44	40	90.3	Kittie J. Ferriss.
Varnoy, Higher.....	25	22	43	41	96.0	Mary J. Walsh.
" Lower.....	27	15	38	37	96.6	Margie M. Moore.
Webster-street, Higher.....	26	26	39	37	93.7	Edith L. Hammond.
" Lower.....	27	20	44	43	96.4	Jean Gillau.
Bakersville, Mixed.....	26	20	34	30	88.1	Mary L. Heath.
Hallsville, Higher.....	20	22	46	42	91.1	Flora M. Walker.
" Lower.....	27	21	45	41	91.8	Clara V. Clement.
Rimmon, Mixed.....	25	22	30	28	91.8	Mary A. Seavey.
Wilson, Higher.....	19	28	42	38	90.5	Cora B. Gilford.
" Lower.....	20	30	43	39	91.5	Harriet H. Richardson.
Parker, Higher.....	25	22	42	39	93.6	Lura B. Gage.
" Lower.....	20	20	30	27	93.7	Elizabeth M. Flanders.
Straw, Mixed.....	25	30	32	23	90.8	Lettie M. Smith.
Spring-street, Mixed.....	24	24	22	20	90.7	Fannie D. Moulton.
Amoskeag, Mixed.....	17	12	25	22	88.0	Mary S. Richardson.

Merrimack-street, Lower	20	639	605	1,009	24	20	84.2	(C. E. Wing, Principal. (Grace A. Phillips, Assistant. Mary W. Mitchell. Mary W. Clement. Lottie M. Clement. Mary G. Tynan.
Main-street, Higher	14		17		33	20	91.3	
" Mixed	23		25		41	39	93.3	
" Lower	23		26		46	43	92.7	
Pearl-street, Lower	13		19		38	35	92.1	
MIDDLE SCHOOL TOTALS	639		605	1,009	954	91.8		
PRIMARY SCHOOLS.								
Franklin-street, Higher	27		28		37	32	86.4	Grace M. Whittemore.
" Lower	28		22		41	35	84.6	Susie L. Dodge.
Lincoln-street, Higher	24		27		43	40	93.5	Theodora Richardson.
" Mixed	25		16		42	39	92.8	(Carlota A. Savory, two terms. (Amy E. Pavisson, one term.
" Lower	28		36		44	37	84.4	Hulda C. Graupner.
Ash-street, Higher	25		25		46	41	89.8	May F. Nunt.
" Lower	30		23		39	34	87.1	Bertha A. Young.
Varney, Higher	21		31		45	43	94.5	Gertrude Adams.
" Lower	35		24		44	40	90.2	Annie E. Walsh.
Webster, Higher	33		30		41	37	91.6	Mary E. Murphy.
" Lower	25		29		41	37	90.3	Mathel C. Henry.
Bakersville, Higher	28		39		40	33	82.9	Augusta S. Downs.
" Mixed	24		21		41	36	86.7	S. Lzetta Locke.
" Lower	37		29		38	29	77.1	Kathryn D. MeKeon.
Hallsville, Higher	20		22		44	40	90.1	Bertha L. Kennp. (E. Alfreda Hall.
" Lower	28		47		57	50	88.4	(Amy E. Davison, two terms. (Florence M. Faneis, one term.
" "	41		49		63	54	85.4	Annie E. Corson. (Ethel A. Nicholson.
" "	25		9		33	29	88.4	Martha J. Kennedy.
" Higher	24		27		38	34	88.8	Hattie S. Tuttle.
" Lower	20		13		27	25	93.1	Blanche E. Hieken.
" "	17		20		24	21	90.3	Katharine A. Frahn.
Wilson, Higher	29		24		40	36	89.5	Florence Richardson.
" "	23		25		45	40	88.8	Bertha V. Franks.
" Lower	24		25		43	38	88.1	Florence L. Abbott.
" "	31		36		39	34	87.3	Gertrude M. Porter.
Parker, Higher	24		30		40	37	93.4	Edie M. Barr.
" Lower	31		33		40	37	93.8	Blanche M. Folsom.
" "	36		25		41	37	90.6	Maude E. Winegar.
Straw, Higher	21		25		39	36	93.2	Nellie M. James.
" Lower	22		30		43	41	94.1	Florence H. Moore.
" "	26		26		36	31	87.5	Edith M. Stebbins.

* Exclusive of duplicate enrollment, no account being made of pupils received by promotion or transfer from other of the city schools.

ATTENDANCE UPON THE VARIOUS DAY SCHOOLS. — *Continued.*

SCHOOLS.	*Whole number belonging.		Average membership.	Average daily attendance.	Per cent of daily attendance.	TEACHERS.
	Boys. Girls.					
	Boys.	Girls.				
Amoskeag, Mixed.....	25	19	42	36	85.4	Marion F. Partridge.
Spring-street, Higher and Middle.....	36	12	16	14	86.0	Helen M. Merrill.
" " Higher.....	18	20	32	28	87.3	Nellie I. Sanderson.
" " Lower.....	35	37	37	29	79.2	Lizabel Savory.
Merrimaek-street, Higher.....	28	33	26	30	83.1	{ C. E. Wing, Principal.
" " Lower.....	24	25	31	30	81.4	{ Grace A. Phillips, Assistant.
" " Lower.....	00	37	43	36	83.4	M. Minnie Sturtevant.
Main-street, Higher.....	24	22	40	37	91.5	Hattie O. Willard.
" " Mixed.....	25	20	42	40	93.9	Kate T. Clarke.
" " Lower.....	19	29	40	37	93.6	Elizabeth Walsh.
" " Lower.....	42	33	46	43	92.1	Sarah Price
Pearl-street, Higher.....	38	33	38	34	88.5	Nellie M. Smith.
" " Lower.....	27	22	44	40	90.8	Florence Abbott.
" " Lower.....	24	16	34	30	87.4	Georgia M. Cheney.
Highland, Mixed.....	31	21	41	33	80.5	Helen C. Townsend, 1 term.
" " Lower.....	15	17	25	22	87.5	{ Mand M. Greaney.
Goff's Falls, Mixed.....	33	16	42	40	95.0	{ Edith A. Murphy.
PRIMARY SCHOOL TOTALS.....	1,336	1,256	1,909	1,692	88.6	
PARTIALLY GRADED SCHOOLS.						
Goff's Falls.....	22	25	40	37	93.5	Percy N. Folsom.
Highland.....	9	7	30	28	92.9	Bianche L. Bachelder.
PARTIALLY GRADED SCHOOL TOTALS.....	31	32	70	65	92.8	
UNGRADED SCHOOLS.						
Stark District.....	12	9	16	13	80.9	Inez M. Warren
Harvey District.....	23	9	21	17	83.0	Emma J. Eja.
Youngville.....	21	17	23	19	82.8	Lura K. Kimpton.
Webster's Mills.....	4	10	11	9	82.1	Josephine L. Kiddle.

Mosquito Pond Anabelle F. Landers.

	10	15	12	80.8
UNGRADED SCHOOL TOTALS.....	70	86	70	81.4
Aggregate totals for 1903.....	2,999	4,774	4,333	50.8
Aggregate totals for 1902.....	3,113	4,875	4,480	51.9

*Exclusive of duplicate enrollment, no account being made of pupils received by promotion or transfer from other of the city schools.

DAY SCHOOLS.

Summary of attendance upon the several grades of public day schools for the year 1902-1903.

GRADES.	Whole number of different pupils.		Average membership.	Average daily attendance.	Per cent of daily attendance.
	Boys.	Girls.			
High	200	243	405	384	94.9
Grammar	723	826	1,265	1,173	92.7
Middle.....	659	605	1,039	954	91.8
Primary.....	1,336	1,256	1,909	1,692	88.6
Partially graded.....	31	32	70	65	92.8
Ungraded	70	52	86	70	81.4
Totals, 1903	2,999	3,014	4,774	4,338	90.8
Totals, 1902	3,113	3,010	4,876	4,480	91.9

EVENING SCHOOLS.

Summary of attendance upon the several grades of public evening schools for the year 1902-1903.

SCHOOLS.	Whole number of different pupils.		Average membership.	Average daily attendance.	Per cent of daily attendance.
	Boys.	Girls.			
Spring street	129	.....	75	59	78.7
Frauklin street .....	.....	71	59	52	88.9
Rimmon.....	99	30	69	54	91.9
Drawing schools { Mechanical.. } { Architectural }	65	.....	39	31	81.
Totals, 1903	293	101	242	196	80.9
Totals, 1902	315	132	303	250	82.5

Evening School Teachers.

Charles E. Cochran, principal at Spring-street school, for boys.

Assistants—A. W. Rowell, I. E. Forbes, Dora Tuson, and Minnie Sullivan.

Honorie J. Crough, principal of Franklin-street, for girls.

Assistants, Maggie Linen, Mary E. Paige, Mary A. Walker, Marianna Fitts.

Arthur W. Morgan, principal of Rimmon school, for both sexes.

Assistants—William J. Moorar, E. Nourry, Myra Moore, Adelia Murphy, Julia McNamara.

Evening Drawing Teachers.

John M. Kendall and Henry W. Allen.

TRAINING SCHOOL.

Graduated.		Entered.	
Lena E. Bower.	June, '03.	Bessie J. Bartlett.	Sept., '02
Ethel F. Carrier.	" "	Alice B. Morrill.	" "
Helen F. Lyons.	" "	Agnes Shay.	" "
Ada B. Morse.	" "	Agnes M. Woodbury.	" "
		Bessie M. Abbott.	Sept., '03
		Blanche L. Bryant.	" "
		Alice E. Good.	" "
		Laurette McKendree.	" "

GENERAL SUMMARY.

The following table presents the main features of interest pertaining to the attendance upon the public schools for the last six years. Similar tables may be found in reports for 1896 and 1901.

YEARS.	Average number of schools.	Average number of teachers employed.*	Enrolled in public day schools.	Average membership.	Average daily attendance.	Percentage of daily attendance.	Average attendance evening schools	Graduated from grammar schools.†	Passed grammar schools for high school.†	Entered high school.	Graduated from high school.	Average number belonging to high school.
1898.....	121	128	5,802	4,425	4,070	92.0	195	200	191	145	51	378
1899.....	123	130	5,717	4,399	3,978	90.4	146	180	168	134	73	409
1900.....	126	135	5,462	4,388	3,993	91.8	179	225	214	152	72	380
1901.....	127	137	5,808	4,552	4,127	90.5	191	189	179	137	69	379
1902.....	129	142	6,123	4,876	4,480	91.9	250	221	211	159	62	390
1903.....	130	146	6,013	4,774	4,338	90.8	196	203	183	137	65	405

* Including special teachers, principals, assistants, etc.

† And the A class in suburban schools.

VI.—Work of Truant Officer.

DATE.	Absentees reported.	No. voluntarily returned.	No. reported caused to attend.	No. moved out of the city.	No. found sick and unable to attend.	No. otherwise unavoidably detained.	No. not found.
September	145	23	57	17	15	28	5
October	269	30	179	5	27	23	5
November.....	101	18	33	5	23	19	3
December.....	69	11	39	1	7	10	1
January	117	9	69	4	17	15	3
February.....	97	7	54	2	19	15	0
March	103	18	56	3	14	12	0
April	97	10	65	3	6	12	1
May.....	130	17	63	4	13	28	5
June.....	163	9	76	15	8	37	7
Totals.....	1,291	152	691	59	149	199	30

DATE.	Truant's not enrolled found on streets.	No. of school age found on streets in school hours.	No. of parents visited.	No. temporarily confined at the police Station.	No. brought before the court.	Sentenced.
September.....	25	111	270	.....	.....	1
October.....	16	282	276	.....	.....	.....
November.....	4	91	163	.....	.....	.....
December	2	47	69	.....	.....	.....
January	24	157	179	.....	.....	.....
February.....	11	227	201	.....	.....	.....
March	9	193	143	.....	.....	.....
April.....	18	39	123	.....	.....	.....
May.....	21	179	131	.....	.....	.....
June.....	7	261	237	2	.....	.....
Totals	137	1,587	1,792	2	.....	1

VII.— Finances.— 1903

ITEMS OF ACCOUNT.	Appropriations.	Expenditure s.
Repairs of schoolhouses.....	\$8,000.00	\$9,545.99
Fuel	8,800.00	12,270.18
Furniture and supplies.....	1,200.00	1,413.98
Printing and advertising	300.00	279.48
Books and stationery	75.00	56.71
Contingent expenses	2,500.00	2,789.32
Care of rooms	6,900.00	7,040.08
Evening schools	1,200.00	1,184.00
Teachers' salaries.....	94,000.00	94,534.94
Evening school—mechanical drawing.....	300.00	289.35
Free text-books and apparatus	6,000.00	5,822.32
Manual training.....	500.00	490.75
Sewing materials for girls.....	250.00	242.80
Boiler for Ash-street school.....	800.00	782.50
Extra heating, Wilson school	2,650.00	2,544.00
Cost of city schools	\$133,575.00	\$139,336.40

COST OF CITY SCHOOLS.

Expenditures \$139,336.40

Salaries.

Members of the school board 220.00
 Clerk of board 150.00
 Superintendent of schools 2,300.00
 Truant officer 850.00
 Total \$142,856.40

Receipts.

Literary fund \$3,257.98
 Tuition and free text-books* 1,289.78
 \$4,547.76

Net amount raised by taxation \$138,308.64

The city valuation for 1903 is \$32,819,850 and hence the rate of school tax for the year is \$138,308.64, divided by \$32,819,850, or .0042. Last year the rate was .0039.

* School tax from Londonderry, Bedford and Goffstown included, \$142.50.

VIII.—School Year, 1902-1903.

Fall term of fourteen weeks opened September 8, 1902, closed December 19, 1902. Vacation of two weeks.

Winter term of twelve weeks opened January 5, 1903, closed March 27, 1903. Vacation of two weeks.

Spring term of eleven weeks opened April 13, 1903, closed June 26, 1903. Vacation of ten weeks.

Number of school days in the year, 190.

IX.—High School Graduation.

PROGRAM.

Salutatory. "New Hampshire in the Revolution."

Blanche Louise Bryant.

Cantata. "The Building of the Ship." Part I.

Class prophecy. Florence Anna Sturtevant.

Cantata. Part II. } Words by *Henry W. Longfellow*.
 } Music by *Henry Lahee*.

Valedictory. "The Study of the Classics." . . . Mildred Roberta Fritz.

Presentation of diplomas. By Sherman E. Burrows, Esq.

Class Ode.

GRADUATES.

Elizabeth Maude Abbott.

William Howard Bailey.

Florence May Bartlett.

Margaret Annie Benson.

Bertha Alice Blanchet.

Cora Imogene Bond.

Jennie Elizabeth Bowden.

Mary Angela Brennan.

Blanche Louise Bryant.

Lillie Butler.

Mildred Winters Cleworth.

Edith Laverne Coolidge.

Blanche Lillian Corning.

Helen Josephine Danforth.

Cora L. Davison.

Mary Irene Dee.

Harold Hurst Dickey.

Frances Genevieve Dowd.

Clarence Irving Drayton.

William A. Emery.

Edward L. Fosburgh.

Susie Althea Francis.

Blanche Ina Friend.

Mildred Roberta Fritz.

Alice Inette Gooch.

Alice Ethel Good.

Anna Evelyn Gorey.

Ida May Gowing.

Ralph V. Hadley.

James Ellis Hale.

Bertha V. Healey.

Capitola S. Henderson.

E. S. Higgins.

Sarah A. Hodgeman.

Annie Francis Humphrey.

Charles H. Jack.

Charles F. Jackson.

Frank O. Johnson.

Pearl Ethel Kimball.

Guy Mortimer Knox.

Bertha Eva Larivee.	Bertha Alice Perkins.
Bessie Florence Leekie.	Carl Stevens Plummer.
Josephine Elizabeth Lyons.	Aura Leona Quimby.
Sarah Teresa Lyons.	Arthur Hugh Raney.
Mary T. H. Marhan.	Willard P. Robinson.
Willis Arthur Martin.	Bessie Rosenburg.
Charles A. McKendree.	Bessie May Sanford.
Mary Arria Miller.	Herbert Guy Sargent.
John Groves Moore.	Sarah Pauline Schwartz.
Mary Tuttle Morrow.	Florence Anna Sturtevant.
Lena Belle Morse.	Blanche Agnes Tewksbury.
J. Arthur Nelson..	William D. Walker.
Lois Belle Newton.	

CLASS OFFICERS.

President, Edward L. Fosburgh.
Vice-President, Bertha Alice Perkins.
Secretary, Charles A. McKendree.
Treasurer, Bertha Alice Blanchet.

EXECUTIVE COMMITTEE.

Edward L. Fosburgh.	Alice Ethel Good.
William D. Walker.	Blanche Louise Bryant.
James Ellis Hale.	

CLASS ODE.

Words by *Bertha Alice Perkins.*

Music by *Bertha Alice Blanchet.*

Like "ships that pass in the night,
 And speak each other in passing,"
 Do we in our voyage of life
 But meet for a day and move onward.
 Brief though the intercourse be,
 We should strive to aid one another—
 "To be, not to seem"; for our ways lie so close
 We may help each other in passing.

We meet many barques on the way,
 Some frailer, some stronger than ours;
 On each let our signals gleam bright
 To lead, to encourage, to warn.
 Thus with God-given purpose and will,
 His law for our compass and star,
 We'll anchor at last in our haven of rest,
 Safe sheltered from tide and from storm.

X.—Winners of Clarke Prizes.

FOR EXCELLENCE IN ELOCUTION AT CONTEST, JANUARY 28, 1903.

First prize, \$25, Annie Frances Leahy.

Second prize, \$20, Maude H. Avery.

Third prize, \$10, Harold C. Brown.

Fourth prize, \$5, Hattie E. Reed.

XI.—Organization, 1904.

SCHOOL COMMITTEE.

EUGENE E. REED, MAYOR.		Chairman, <i>ex officio</i> .
E. EDWIN CHASE.	President of Common Council,	<i>ex officio</i> .
WARD 1. Elliot C. Lambert.	WARD 6. Eugene B. Dunbar.	
Elmer D. Goodwin.	Harry L. Davis.	
WARD 2. J. W. Johnston.	WARD 7. Edward B. Woodbury.	
Will C. Heath.	Edson S. Heath.	
WARD 3. George D. Towne.	WARD 8. Walter B. Mitchell.	
Louis E. Phelps.	Benjamin Price.	
WARD 4. Nathaniel L. Colby.	WARD 9. R. Emmet Walsh.	
I. N. Cox.	Alaric Gauthier.	
WARD 5. John T. Kelley.	WARD 10. Mark E. Harvey.	
John F. Lee.	Harry H. Burpee.	

VICE-CHAIRMAN OF THE BOARD.

GEORGE D. TOWNE.

CLERK OF THE BOARD.

ELLIOT C. LAMBERT.

SUPERINTENDENT OF PUBLIC INSTRUCTION.

CHARLES W. BICKFORD.

SUPERINTENDENT'S CLERK.

FANNIE L. SANBORN.

TRUANT OFFICER.

CURTIS W. DAVIS.

STANDING COMMITTEES.

Finance.—Mayor Reed, Messrs. Chase, Lambert, Woodbury, and Walsh.*Salaries*.—Messrs. Kelley, Cox, and Burpee.*Text-Books*.—Messrs. Towne, Phelps, Cox, and Woodbury.*Music*.—Messrs. W. C. Heath, Price, and Lee.*Drawing*.—Messrs. E. S. Heath, Johnston, and Dunbar.*Manual Training*.—Messrs. Phelps, Goodwin, and E. S. Heath.*Examination of Teachers*.—Messrs. Colby, Johnston, and Mitchell.

Fuel and Heating.—Mr. Burpee, Mayor Reed, Messrs. Chase, Harvey, and Lee.

Repairs.—Messrs. Davis, Walsh, and Gauthier.

Attendance.—Messrs. Price, Gauthier, and W. C. Heath.

Health.—Messrs. Dunbar, Davis, and Mitchell.

SUB-COMMITTEES.

High School.—Messrs. Towne, Phelps, Lambert, Walsh, and Goodwin.

Franklin-street.—Messrs. Woodbury, Davis and Lee.

Spring-street.—Messrs. Kelley, Dunbar, and Woodbury.

Lincoln-street and Youngsville.—Messrs. Colby, Lee, and W. C. Heath.

Ash-street and Webster's Mills.—Messrs. Phelps, W. C. Heath, and Gauthier.

Webster-street and Stark.—Messrs. Burpee, Towne, and Johnston.

Bakersville and Mosquito Pond.—Messrs. Goodwin, Johnston, and Mitchell.

Varney.—Messrs. Mitchell, Walsh, and Cox.

Hallsville and Harvey.—Messrs. Davis, Harvey, and Price.

Rimmon.—Messrs. Gauthier, E. S. Heath, and Towne.

Training School.—Messrs. Lambert, Woodbury, and Phelps.

Main-street.—Messrs. Walsh, Goodwin, and Burpee.

Parker.—Messrs. Price, Burpee, and E. S. Heath.

Wilson.—Messrs. Dunbar, Gauthier, and Harvey.

Strac.—Messrs. E. S. Heath, Kelley, and Colby.

Amoskeag.—Messrs. W. C. Heath, Phelps, and Kelley.

Goffe's Falls.—Messrs. Harvey, Mitchell, and Dunbar.

Pearl-street.—Messrs. Johnston, Cox, and Walsh.

Highland.—Messrs. Cox, Price, and Goodwin.

Evening Schools.—Messrs. Lee, Colby, and Davis.

XII.—List of Teachers.

HIGH SCHOOL.—BEECH STREET.

Master. George H. Libby.

Sub-Master. George I. Hopkins.

Assistants. Harry N. McLaren.

Hiram A. Stearns.

Allan E. Herrick.

Nellie Pickering.

Florence M. Locke.

Theresa B. Stanton.

Mary J. Wellington.

Ethel I. Cummings.

Sara Hunt.

Assistants. Annie W. Colby.
 Mary H. Dowd.
 Winona M. Martin.
 Elsie D. Fairbanks.
 Annie M. Vose.
 Edith M. Pierce.

FRANKLIN-STREET SCHOOL.

Grammar Grades.

Master. Isaac Huse, Jr.
 Master's Assistant. Alice C. Taggart.
 Assistants. Carrie E. Hoit.
 Carrie E. Head.
 Nellie C. Parker.

Lower Grades.

Higher Middle. Alice M. Lamprey.
 Lower Middle. Amy K. Northrup.
 Higher Primary. Grace M. Whittemore.
 Lower Primary. Lena B. Bower.

LINCOLN-STREET SCHOOL.

Grammar Grades.

Master. Fred L. V. Spaulding.
 Master's Assistant. Annie W. Patten.
 Assistants. Belle R. Daniels.
 Mabel J. Brickett.
 Mary F. Barnes.
 Bertha M. Fogg, substitute.

Lower Grades.

Higher Middle. Etta L. Stearns.
 Lower Middle. Bertha A. Allen.
 Higher Primary. Theodora Richardson.
 Lower Primary. Amy E. Davison.
 Lower Primary. Hulda C. Graupner

A-H-STREET SCHOOL.

Grammar Grades.

Master. Edgar D. Cass.
 Master's Assistant. Amelia L. Graupner.
 Assistants. Emma L. McLaren.
 Lora E. Hill.
 Ellen E. Connor.

Lower Grades.

Higher Middle. Emma J. Cooper.
 Mixed Middle. Marjorie S. Woodbury.
 Mixed Middle (Temporary). Ede B. Shand.
 Lower Middle. Josephine C. Ferren.
 Higher Primary. May F. Nutt.
 Lower Primary. Bertha A. Young.

WEBSTER-STREET SCHOOL.

Grammar Grades.

Master. John Gault.
 Master's Assistant. Josephine W. Page.
 Assistants. Luna A. Whitlock.
 Alta C. Willand.
 Eva F. Tuson.

Lower Grades.

Higher Middle. Edith Hammond.
 Lower Middle. Jean Gillan.
 Higher Primary. Mary E. Murphy.
 Lower Primary. Mathel C. Henry.

VARNEY SCHOOL.

Grammar Grades.

Master. George Winch.
 Master's Assistant. Florence M. Ward.
 Assistants. Esther M. Dickey.
 Ellen E. McKean.
 Millie S. Morse.

Lower Grades.

Higher Middle. Mary J. Walsh.
 Lower Middle. Marcia M. Moore.
 Higher Primary. Gertrude Adams.
 Lower Primary. Annie E. Walsh.

HALLSVILLE SCHOOL.

Grammar Grades.

Master. William H. Huse.
 Master's Assistant. Ella F. Barker.
 Assistants. Olive A. Rowe.
 Mary L. Ayer.

Lower Grades.

Higher Middle. Flora M. Walker.
 Lower Middle. Clara V. Clement.
 Higher Primary. Bertha L. Kemp.
 Lower Primary. E. Alfreda Hall.
 Assistant. Florence M. Francis.
 Lower Primary. Annie R. Corson.
 Assistant. Ethel A. Nicholson.
 Lower Primary. Martha J. Kennedy. (Cody's block)

BAKERSVILLE SCHOOL.

Grammar Grades.

Principal. Lizzie A. Burns.
 Assistants. Lelia A. Brooks.
 Cora M. Farmer.

Lower Grades.

Mixed Middle. Mary L. Heath.
 Higher Primary. Augusta S. Downes.
 Mixed Primary. S. Izetta Locke.
 Lower Primary. Kathryn D. McKeon.

RIMMON SCHOOL.

Principal. Louis H. Bailey (Grammar).
 Assistant. Lillian F. Crowther.

Lower Grades.

Mixed Middle. Mary A. Seavey.
 Higher Primary. Hattie S. Tuttle.
 Lower Primary. Blanche E. Hicken.
 Lower Primary. Katherine A. Fraun.

WILSON SCHOOL.

Grammar Grades.

Principal. Barbara B. Joy.
 Assistants. Mary E. McLare.
 Hellen Morison.
 Cora B. Gilford.

Lower Grades.

Higher Middle. Harriet H. Richardson.
 Lower Middle. Florence Richardson.
 Higher Primary (Temporary). Ada B. Morse.

Higher Primary. Bertha V. Franks.
 Lower Primary. Florence L. Abbott.
 Lower Primary. Gertrude M. Porter.

STRAW SCHOOL.

Grammar Grades.

Principal. Lizzie P. Gove.
 Ethel F. Currier, substitute.

Lower Grades.

Higher Middle. Gertrude H. Brooks.
 Lower Middle. Lettie M. Smith.
 Higher Primary. Nellie M. James.
 Lower Primary. Florence H. Moore.
 Lower Primary. Edith M. Stebbins.

TRAINING SCHOOL.

Merrimack street, corner of Union.

Principal. Caroline E. Wing.
 Head Assistant. Grace A. Phillips.

The principal is also assisted by the sub-teachers, i. e., members of the training class. The school embraces the first four years of school work, in the following grades: Lower Primary, Higher Primary, and Lower Middle. There are four rooms, two of Lower Primary grade.

SPRING-STREET SCHOOL.

Principal. Annabel Emerson, Higher Middle.
 Lower Middle. Fannie D. Moulton.
 Mixed Middle. Helen Morrill.
 Higher Primary. Nellie I. Sanderson.
 Lower Primary. Helen F. Lyons.

MAIN-STREET SCHOOL.

Principal. Mary W. Mitchell, Grammar Grade.
 Higher Middle. Mary A. Clement.
 Lower Middle. Lottie M. Clement.
 Higher Primary. M. Minnie Sturtevant.
 Higher Primary. Hattie O. Willand.
 Lower Primary. Kate T. Clarke.
 Lower Primary. Elizabeth F. Walsh.
 Lower Primary. Sarah Price.

PEARL-STREET SCHOOL.

Principal. Mary G. Tynan, Higher Middle.
 Lower Middle. Nellie M. Smith.
 Higher Primary. Florence Abbott.
 Lower Primary. Susie L. Dodge.

PARKER SCHOOL.

Principal. Mary E. Moulton, Grammar.
 Higher Middle. Lura B. Gage.
 Mixed Middle. Elizabeth M. Flanders.
 Higher Primary. Eda M. Barr.
 Lower Primary. Blanche M. Folsom.
 Lower Primary. Maude E. Winegar.

PARTIALLY GRADED SCHOOLS.

Amoskeag. Mary A. Buzzell, Grammar and Middle.
 Middle and Primary. Mary S. Richardson.
 Lower Primary. Marion F. Partridge.
 Highland. Blanche L. Bachelder, Grammar and Middle.
 Primary Grades. Helen Townsend.
 Goffe's Falls. Percy N. Folsom, Grammar.
 Middle Grades. Maud M. Greaney.
 Primary Grades. Edith A. Murphy.

UNGRADED SCHOOLS.

Stark. Inez M. Warren.
 Harvey. Emma J. Ela.
 Youngsville. Lura K. Kimpton.
 Webster's Mills. Josephine L. Riddle.
 Mosquito Pond. Anabelle F. Landers.

SPECIAL TEACHERS.

Music. Eben F. Richardson, Maude E. Brown.
 Drawing. J. Warren Thyng.
 Manual Training. Fred E. Browne.
 Assistant. Joseph F. Carter.

JANITORS.

High School.

Charles F. Jack. Engineer, George H. Jaek.

Franklin-street and Training Schools.

Asa M. Smith.

Lincoln-street School.

William Stevens.

Hallsville and Wilson Schools.

William H. Newry.

Ash-street and Pearl-street Schools.

John S. Avery.

Webster-street and Straw Schools.

William J. Powers.

Spring-street and Lowell-street Schools.

S. H. Batchelder.

Bakersville School.

Edwin N. Baker.

Varney School.

Joseph H. Buffum.

Main-street and Parker Schools.

William F. Conner.

Rimmon School.

Joseph Chalifoux.

Highland School.

William L. Rhodes.

Amoskeag School.

Charles H. Corey.

Goffe's Falls School.

Percy N. Folsom.

XIII.—School Year.—1903-1904.

Fall term opened September 8, 1903, closed December 18, 1903. Vacation of two weeks.

Winter term of twelve weeks opens January 4, 1904, closes March 25, 1904. Vacation of two weeks.

Spring term opens April 11, 1904, closes June 24, 1904. Vacation of ten weeks.

Fall term opens September 5, 1904. Continues fifteen weeks.

REPORT
OF THE
BOARD OF HEALTH.

REPORT OF THE BOARD OF HEALTH.

To His Honor the Mayor:

The board of health submits the following report for the year 1903:

Dr. J. E. A. Lanouette was appointed to succeed John C. Bickford, whose term expired.

The annual meeting was held the second of February, and Dr. William M. Parsons was elected president and William K. Robbins clerk.

The appropriation allowed the board for carrying on the work of the year was \$10,000. The expenditures have been as follows:

OFFICE EXPENSES.

Salaries	\$600.00
Labor	3,051.01
Office furniture	9.04
Printing, postage, and stationery	176.30
Telephone service	5.45
Express	8.10
Disinfectants	274.40
Antitoxin	383.75
Diphtheria examinations	200.00
Quarantined families	335.21
Carriage hire and carfares	226.60
Supplies for laboratory	48.11
Gas	14.27
Milk samples	14.85
Incidentals	60.31
	<hr/>
	\$5,407.40

ISOLATION HOSPITAL.

Salary of matron	\$192.00
Fuel	555.28
Board and nursing	594.19
Electric lighting	40.65
Telephone service	48.52
Water	16.00
Repairs and improvements	230.00
Supplies	143.30
	<hr/>
	\$1,819.92

SMALLPOX EXPENSES.

Salary of matron at pesthouse	\$360.00
Labor	1,420.00
Board of patients	1,160.76
Fuel	201.50
Telephone service	31.25
Water	7.52
Supplies	94.34
Repairs on pesthouse	535.49
Medical attendance	2,086.00
Medical attendance, paid without consent of board	648.50
Quarantined families	115.46
Watching quarantined houses	444.00
Vaccination	58.40
	\$7,163.22
Total expenditure for 1903	\$14,390.54
Amount turned in from milk license fees	\$346.00

When the August bills were paid there was only enough left of the appropriation to pay those of September, leaving nothing with which to meet the expenses of the remaining three months of the year.

Accordingly a letter was sent to the mayor giving a detailed account of the expenses to date and an estimate, also in detail, of the amount probably necessary to complete the year's work.

Before the month expired he authorized the work to be continued as economically as possible through the year, and assured us that funds would be forthcoming to meet the bills.

Inspection of the figures shows that the general expenses of the office have exceeded those of last year by \$330, yet four items show an increase of \$400 over last year. Chief of these are disinfectants, diphtheria examinations, and carriage hire. More than the usual amount of smallpox and diphtheria necessitated the increase in the first two, and transportation to and from the Isolation hospital the other. So the general expenses are not above the average of previous years. The expenses of the Isolation hospital could not be estimated closely as this is the first whole year that it has been in use.

The fuel bill is high but it includes \$36 from 1902. The coal for this season was bought in bulk, and as it arrived late some had to be bought for use, so that when all was in we had a large supply, probably enough to last till the end of 1904.

The expense of nursing is pay for a trained nurse to attend patients who were city charges, while that for repairs and improvements was largely for screens, storm windows, and other small necessities that could not be provided with the small funds available for erecting the Isolation hospital.

The expense of smallpox was high, wholly on account of the number

of patients to be cared for, which was much larger this year than last. While as a whole this board spends much more money than it did years ago, it must be remembered that much more work is expected of and performed by it. People expect a great many services that formerly were not thought of. This will be appreciated by comparing this report with the report of ten years ago, viz., 1893.

MEETINGS.

The regular weekly meetings have been continued on Tuesday evenings. Forty-four such meetings were held, and eleven special meetings for trips of inspection and such business as required immediate attention. This does not include a very considerable number of interviews by one or two members at a time to investigate requests or complaints. The systematization of the business and the long experience of the employees, the telephone connections and the observance of the regular business hours of the other city departments make it convenient for the public to transact a large amount of the routine business of the department at the office.

INSPECTORS.

The same office force as that of last year has been continued in service, namely: Carl O. Seaman, inspector of plumbing and milk, and William B. Blake and John F. Looney, health inspectors. Miss M. Alma Fracker has continued as office clerk. All have been faithful and efficient and manifested much interest and enterprise, which are the prime requisites of good work, and they are entitled to much credit for the efficiency of the work of the department.

BACTERIOLOGICAL LABORATORY.

This department has done much more work than in any previous year. While we expect to do only such work as comes in on Sundays and holidays when there is no express to Concord, many physicians have preferred the work of the local laboratory and again many more physicians avail themselves of this opportunity than in former years.

Again, diphtheria was more prevalent than usual. As usual the cultures are inoculated and incubated at the office and Dr. A. G. Straw does the microscopic work.

During the year 237 diphtheria examinations were made, of which 84 were positive or true diphtheria, and 153 were negative. Sixty-one of the negative were examinations for the discharge of patients.

Physicians are urged to avail themselves of such information as this department affords and cautioned not to leave too great an amount of the decision of the diagnosis of the case to this where the clinical symptoms do not coincide with it, because it is well known that the organism causing diphtheria has been repeatedly found in the mouths of perfectly healthy people, and also it is not always certain that the organ-

ism from the person having the disease can be successfully grown on artificial media. The bacteriological examination is only an assistance but a most valuable one, and as it costs the physician nothing it certainly should not be overlooked or ignored.

INSPECTION OF MILK.

The inspection of the city's milk supply has been conducted upon the same basis as last year. That is, samples were taken by the collectors, sealed, and placed upon ice, and the tests performed by the milk inspector, Carl O. Seaman, who gives specific information in detail in his report to this board, which is herewith included and made a part of this report. The scope of the work was slightly enlarged by making some bacteriological tests, which gives information more valuable to the public than useful to this board in enforcing the law.

On the whole the work has proceeded without friction and the legal requirements have been complied with better than ever before.

Less money was collected for milk licenses this year owing to a change in the law made at the last session of the legislature permitting people who sell milk exclusively from their own cows to have the license without fee.

PLUMBING INSPECTION.

The laws in regard to plumbing have been very well complied with. This comes of the fact that the citizens as well as the plumbers have come to understand and appreciate the laws, also the fact that now more than ever before the plumbing work of the city is done by plumbers of reasonable fitness for the work, as ascertained by the board of examiners of plumbers.

We still have a few requests from tenants for permission to depart in some degree from the plumbing rules to modify the plumbing where the landlord declines to do it and tells them they can have it done at their own expense. This is wrong in principle and bad in practice, because no one wishes to go to the same pains and expense with the work on another's property as with his own.

WATER SUPPLY.

This year as usual much pains has been taken to guard the purity of the city water supply, with the usual difficulty of procuring enforcement of law by the authorities of another town.

During the summer there was noticeably less liability to pollution of the waters on account of the much smaller number of people visiting the shores, and this was largely due to the absence of resorts where liquor was sold. In this regard we must heartily commend the good judgment of the state license commission upon the subject of licensing the sale of liquor near Lake Massabesic.

We feel that there is much cause for congratulation in the fact that the source of our water supply has never become contaminated with

the germs of typhoid fever. While so many cities have been having epidemics of the disease we have had but sixty-two cases and ten deaths during the entire year, and several of these were cases contracted outside of the city.

ISOLATION HOSPITAL.

This is the first full year that the Isolation hospital has been in use. We could form but a poor estimate of its cost or usefulness beforehand. It is somewhat expensive but gives abundant return.

During the year forty-six patients have been treated there and only two deaths have resulted. At least ten patients were cured and returned to their homes who must otherwise have died, judging by the surroundings from which they were taken, but besides this many homes have been spared the hardship of quarantine, and often to take the patient out of thickly populated tenement blocks has been to prevent numerous exposures if not an epidemic.

The funds to build and equip this hospital were very limited, and we made some sacrifice of convenient things in order to have some place to use, and for this reason repairs and improvements have to be made on so new a set of buildings.

The most serious difficulty encountered in running the hospital is the apparatus for heating, which is expensive and entirely inadequate for the work. We hoped to partly make up for the defect this winter by putting on storm windows, but this, while a great improvement, is not enough, and it has been necessary to hire help to stay up nights and force the apparatus and even then the wards could not be kept at a proper degree of warmth.

Before another winter this miserable excuse for a steam plant must be replaced by something that will keep the place warm.

We have as yet not been able to concrete about the premises, as we hope to do this next year. There is not sufficient storage capacity for the family in charge, and as the shed which was built for a shelter for horses proves too small for that purpose it is hoped we may be able to erect a cheap shelter for teams and use the present building wholly for storage. There is also much need of small changes in the robing and suspect rooms of the wards to make them more efficient.

The matron, Mrs. Eva M. Nute, has continued to be faithful and efficient and the place is kept in excellent condition.

There are people who do not yet know the conditions of the use of the hospital so we repeat them. Those who are not destitute are admitted by paying \$3.50 per week to Mrs. Nute for board, and furnishing their own physician and nurse, if a trained nurse is required.

The matron attends to those who are not in need of a trained nurse, and are old enough to stay alone in the ward. Small children are usually accompanied by a nurse or member of the family and the same charge of \$3.50 per week for board is made for them as for patients.

No charge is made for heat, light, beds, or nightdresses. The wards are always ready and patients are always admitted upon application to any member of the board.

The city physician, Dr. J. H. DeGross, has attended all the patients who are city charges. He has been very devoted to his duties and skillful in his treatment, as witness his success in twenty very critical cases of the dread diphtheria and scarlet fever, at least ten of these patients recovering who were in an extremely critical condition when admitted to the hospital.

DIPHTHERIA.

This year as last there has been much diphtheria, and it is difficult to see how we could have prevented an epidemic had it not been for the Isolation hospital. Much pains has been taken to trace the source of this infection, so far with but moderate success.

In some instances, of course, we can trace the disease through family or friendly relations, but in a great many cases it is utterly obscure, breaking out in virulent form and in grown people who observe the best of habits and live in excellent sanitary surroundings.

We have noticed repeatedly that it springs up and flourishes most in the damp, mild weather of the late autumn, and begins to disappear when the earth is well covered with snow, which would indicate that there is some source of it that is covered with snow and in the summer when the sun is high is killed by the sunlight but grows when the sunlight is short and feeble in the fall. Until more is known it is advisable to take extra precaution in the fall of the year to make safe disposal of all rubbish wherein the organisms causing the disease can live and grow. In this connection it is well to remind the public to prevent children from too free an interchange of playthings, and the consumption of candy known as "suckers," a lump of candy on a small stick. These are sucked awhile then taken out and exposed to dust and filth and sucked again, and we have actually found diphtheria communicated by children exchanging "suckers."

There were reported during the year one hundred and forty-six cases and seventeen deaths. Most of the deaths were in patients to whom no physician was called until the disease had run to the croupous stage, thus making the death rate larger than it would have been with prompt treatment of all cases.

SMALLPOX.

We started in the year with ten cases of smallpox in the hospital and the number decreased until in the early fall the place was free. During that time the building was looked over by the mayor and members of the committee on lands and buildings and found to be much in need of repair. On the seventh of October the board received a letter from the mayor authorizing it to spend an amount not exceeding one thousand dollars for repairs upon the smallpox hospital.

Accordingly we proceeded, doing the most needed work first. When some of the rooms had been replastered and all had been whitened and cleaned, the roof repaired, some stoves and furnishings replaced, and a water closet partly installed, the disease again made its appearance and we have been unable to complete the work.

The disease has been of about the same mild type as during the last year and no deaths have resulted. The hospital was clear on the last day of the year.

Early in the year some criticism was made of the large physicians bills for treating patients, and at the mayor's instance the board voted to depend upon City Physician DeGross for smallpox attendance, with the understanding in writing that no bill for such services was to be paid out of the funds of the health department.

Through some misunderstanding the work was not done in a manner satisfactory to this board, and on August fifth the city physician was notified that his services would be no longer required for smallpox attendance. Dr. Maurice Watson was engaged to do the work and has continued to do so to the end of the year.

The city physician sent in a bill of \$383 for treating smallpox which we ignored but which was paid by the city and charged to the health department. Several times during the year we have felt compelled to resort to the court, and several people have been fined for not reporting smallpox in the family, as required by law.

We are satisfied that it is this practice, together with the neglect or refusal of people to be vaccinated, that is costing the city so much for care of this dread disease. Out of the 162 cases handled only one has been varioloid.

In a few instances parties showing a large scar and claiming to have been vaccinated in the mills with the old style ivory points had full and typical run of smallpox, indicating that the sore arm, that in one case had laid a person up for three months, was a simple septic arm without vaccinia at all.

SLAUGHTERING IN THE CITY.

Several times during the summer and very often in late summer and early fall complaints were made to this board of the nauseating odors emanating from the works of the Manchester Slaughtering & Rendering company, in South Manchester. The place was viewed by the sanitary inspectors and inspected by the board and the management were notified that the state of affairs existing at the works constituted a nuisance, which must be abated. Conferences were held with the members of the board and promises of improvement were made by the company. Complaints continued to come in and the board revisited the works several times but each time found that no improvements or material changes had been made, nor have they been made at the close of the year, though the complaints ceased to come in when cold weather set in. This board is unable to see how changes in operation can be

made that will make the place such as should be tolerated when the weather is again warm. When this place was started it was well away from habitations and was used exclusively for slaughtering neat stock. Now the city has been built out near it and the work has become practically that of a fertilizer factory, working up market refuse and dead animals generally, not from this city alone but from many other communities in the state. Unless some radical change is made, either in the character of the work done or the manner of doing it, we shall feel obliged to withdraw the consent of the department for its further operation.

DISINFECTION.

Since the autumn of 1896 this board has made regular use of the formaldehyde fumigation, being the first city in this country to make use of it in a practical way. Its efficiency had been previously established but the apparatus had not been made efficient and safe to be put into the hands of inspectors for general use. Lamps for generating formaldehyde from wood alcohol were used as a source of the gas. Formaldehyde as a disinfectant grew in favor, other styles of lamps were invented and the forty per cent solution of the gas in water became lower in price until three years ago it became cheaper to use the solution which goes under the trade name of formaline, or simply formaldehyde, than to generate the gas from wood alcohol.

Accordingly we adopted the now well-known and simple method of atomizing the solution upon bed sheets or cotton cloth suspended in the room, where it evaporates spontaneously. This insures absolute freedom from possibility of fire, and reduces the amount of apparatus to be carried around to a minimum. The process as now carried out is this: The contents of the room or rooms to be treated are opened and spread out in the most thorough manner. Washable goods, linen, etc., are scalded or wet with the solution. Then all cracks around doors and windows and other openings of every kind are sealed with strips of gummed paper, prepared for the purpose, and when all is tight an amount of 40 per cent formaldehyde solution equal to 8 ounces for each thousand cubic feet of space, is atomized upon the sheet and the door closed. The room remains thus closed six hours, or usually over night, when it is aired out and ready for occupancy.

In places where it can be done, as in schoolhouses, etc., the floors, window and door casings, and all places where dust can lodge are first washed with soap and soda, or some disinfectant.

As the work is done neatly and freely by the employees of the board, and people have become used to it, it is much desired and many houses are fumigated now where it would not have been thought of a dozen years ago. During the past year 1,458 rooms have been fumigated, besides two of our largest schoolhouses. The cost at present is not large. The formaldehyde solution in barrels now costs 13 cents per pound, thus making the cost from 13 to 50 cents per room, and the cost of fumigating a whole school building from \$15 to \$25.

For atomizing we use a special atomizer that costs about \$4.00 and will last for years, but for large undertakings we make use of a pony fire extinguisher with a special spray nozzle.

Formaldehyde by this or some other method is now used by every city that pretends to do sanitary work. Many kinds of apparatus and special preparations of formaldehyde are drummed about the country and some most ridiculous representations are made for them.

Under the direction of Mr. Robbins of the board Mr. Seaman has made some tests of the preparations offered and the loss by our process of operation, which are herewith quoted in full.

Eight samples of formaldehyde were tested, six being liquid, and two solid. That represented to be 40 per cent was found to be very nearly that, running from 38 per cent to 39.3 per cent. The solid was supposed to be 99 per cent pure formaldehyde but was found to be but 75 per cent.

We made some tests with sheets to determine the amount of gas lost during fumigation. This was done by carefully drying to "room dry" a piece of washed sheeting such as is used in fumigating and weighing it on the balance, then hanging the sheet up and atomizing with a spray from a bottle of formaldehyde which was weighed before and after atomizing the sheet, and the exact amount of formaldehyde determined. After the sheet had hung over night and was "room dry," it was weighed again and the increase in weight figured as loss in pure gas. This loss amounted to 5.2 per cent of 38.8 per cent formaldehyde taken. The same experiment made with a piece of filter paper in place of sheeting showed a loss of 4.1 per cent.

We herewith wish to express our gratefulness to the mayor and both branches of the city government for their confidence and the many ways in which they have assisted and encouraged the work of the health department.

Respectfully submitted,

WILLIAM M. PARSONS.

WILLIAM K. ROBBINS.

J. E. A. LANOUILLE.

REPORT OF THE BOARD OF HEALTH.

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No. 1.

FOR THE LAST NINETEEN YEARS.

1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.
50,000	55,000	55,000	56,000	60,000	60,000	60,000	56,987	56,987	56,987	60,000
971	977	1,020	1,051	1,018	1,001	1,068	1,167	1,131	1,092	1,106
19.42	17.76	18.54	18.77	16.97	16.68	17.80	20.47	19.84	19.12	18.43
527	546	549	531	631	521	541	561	554	622	556
50.62	55.89	53.82	50.52	61.98	52.04	50.65	48.07	48.99	56.95	50.27
10.54	9.91	9.98	9.48	10.50	8.68	9.01	9.84	9.71	10.91	9.26
137	209	213	227	226	254	203	244	283	238	225
2.74	3.80	3.97	4.05	3.77	4.23	3.38	4.28	4.96	4.17	3.75
89	40	146	129	110	122	78	119	121	98	92
79	74	76	112	88	73	91	100	81	78	87
4	24	14	20	14	10	10	6	5	12	17
1	11	10	28	29	17	6	8	3	22	17
44	56	59	51	86	45	65	40	38	55	40
53	81	86	77	105	72	113	118	105	120	112
46	52	75	77	64	50	57	77	75	54	73
5	3	4	1	1	9	3	6	9	2	2
15	8	21	19	12	14	12	12	11	8	10
2	4	1	3	3	3	5	1	.....	.....	1
2	.....	2	3	13	2	15	3	8	5	5

TABLE No. 2.

MONTHS.	Membranous croup.		Diphtheria.		Typhoid fever.		Measles.		Scarlet fever.		Varioloid.		Small-pox.		Totals.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January. . .	9	4	12	2	13	2	42	.....	3	.....	.....	.....	16	.....	95	8
February . . .	.....	.....	8	2	2	1	28	1	4	.....	.....	.....	12	.....	54	4
March.....	2	2	7	1	3	1	20	.....	5	1	1	.....	33	.....	71	5
April.....	3	2	1	.....	2	1	2	.....	7	1	.....	.....	34	.....	49	4
May.....	1	2	5	.....	4	.....	3	.....	2	.....	.....	.....	7	.....	22	2
June.....	.....	.....	6	3	2	.....	1	.....	6	.....	.....	.....	4	.....	19	3
July.....	1	1	10	4	6	1	.....	.....	3	.....	.....	.....	18	.....	38	6
August.....	2	.....	2	.....	5	1	6	.....	.....	.....	.....	.....	2	.....	17	1
September..	.....	.....	6	1	.....	.....	3	.....	1	.....	.....	.....	.....	.....	10	1
October.....	1	1	25	2	7	.....	3	.....	1	.....	.....	.....	15	.....	52	3
November..	1	1	40	1	11	2	1	.....	3	.....	.....	.....	12	.....	68	4
December...	6	3	24	1	7	1	3	.....	2	.....	.....	.....	8	.....	50	5
Totals.....	26	16	146	17	62	10	112	1	37	2	1	.....	161	.....	545	46

TABLE No. 3.

COMPARISON OF STATISTICS OF CONTAGIOUS AND INFECTIOUS DISEASES FOR THE PAST 19 YEARS.

YEARS.	Membranous croup.		Diphtheria.		Typhoid fever.		Measles.		Scarlet fever.		Varioloid.		Small-pox.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
1885.....	*	*	*	18	*	20	*	5	*	36	*	.....	.....	*	79	
1886.....	*	*	*	9	*	12	*	.....	*	5	*	.....	.....	*	26	
1887.....	*	*	73	17	28	18	94	4	*	9	.....	.....	.....	*	48	
1888.....	*	*	126	30	35	12	44	1	187	9	.....	.....	.....	392	52	
1889.....	*	*	79	23	36	16	259	5	54	4	.....	.....	.....	428	48	
1890.....	*	*	41	9	36	17	63	3	298	6	.....	.....	.....	438	35	
1891.....	*	*	21	2	76	18	25	.....	89	2	.....	.....	.....	211	22	
1892.....	*	*	26	5	33	11	44	2	451	11	.....	.....	.....	554	29	
1893.....	*	*	7	1	79	15	110	5	212	2	.....	.....	.....	408	23	
1894.....	12	12	42	11	74	21	67	3	223	8	.....	.....	.....	418	55	
1895.....	17	11	47	11	73	21	55	4	68	1	.....	.....	.....	260	48	
1896.....	17	14	103	28	81	20	500	3	61	1	1	.....	.....	763	66	
1897.....	14	10	148	29	78	11	387	3	54	1	.....	.....	.....	681	54	
1898.....	10	4	81	17	145	14	88	3	200	9	.....	.....	.....	524	47	
1899.....	6	3	50	6	78	12	762	5	130	3	.....	.....	.....	1,026	29	
1900.....	8	5	38	8	65	11	827	1	102	6	10	.....	52	1,102	32	
1901.....	3	3	18	3	55	11	15	.....	48	9	16	.....	178	333	25	
1902.....	16	9	135	22	49	8	765	5	33	2	.....	.....	28	1,026	46	
1903.....	26	16	146	17	62	10	112	1	37	2	1	.....	161	545	46	

TABLE No. 4.—DEATH RETURNS.

TABLE SHOWING THE MORTALITY OF THE CITY BY DISEASES
AND BY MONTHS FOR THE YEAR 1903.

CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Abscess, appendicular.....										1			1
“ of brain.....	2		1			2	1			1		1	8
Accident, burned.....				1									1
“ crushed by mach’y.....					1								1
“ concussion of brain.....							1						1
“ drowned.....					2	2				2			6
“ fall.....	1			1				1					3
“ fracture of skull.....					1								1
“ internal injuries.....					1								1
“ poisoned.....												1	1
“ railroad.....			2		1		1		1	1		1	7
“ rupture of spleen.....							1						1
“ shooting.....				2									2
“ suffocation.....												1	1
Albumenuria.....									1				1
Alcoholism.....					1			1	1			1	3
Anæmia.....	1							1	1	2	1		6
Anencephalus.....			1										1
Angina pectoris.....			1					1					2
Apoplexy.....	2		3	2	3	1	2	3	3	3	4	2	28
Appendicitis.....			1				1						2
Ascites.....							1						1
Asphyxia.....				1		1	1						3
Asthenia.....											1		1
Asthma.....				1									1
Atheroma.....		1											1
Atrepsia.....										1			1
Atrophy, infantile.....					1								1
Brain, congestion of.....						2							2
“ disease of.....				1						1			2
“ inflammation of.....							1			1			2
Bronchiectasis.....							1						1
Bronchitis.....	2	2	7	1	2	2	4	1		1	4	3	29
“ capillary.....	3	4	1				1	1		1			11
Cancer.....	1					1			1				3
“ of bowels.....				2									2
“ of breast.....			1			1						1	3
“ of groin.....					1								1
“ of liver.....							1			1			2
“ of mouth.....					1								1
“ of omentum.....							1						1
“ of rectum.....								1					1
“ of stomach.....		3	1		1		1	1	1		1	1	10
“ of throat.....										1			1
“ of tongue.....											1		1
“ of uterus.....	1	1	1		1			2	1		1		8
Catarrh of bowels.....						1							1
Cerebritis.....				1					1				2
Cholera infantum.....			1	1		3	23	20	32	11	1		92
Colitis entero.....							1	2		1			4
“ ileo.....										1			1
Convulsions.....	4	1	6	6	1	1	3	3	2	2	1	2	32
Croup, membranous.....	4		2	2	2		1			1	1	3	16
“ spasmodic.....							1						1
Cyanosis.....										1		1	2
Debility, infantile.....	4	1	1			2	3	2	2	3	3	1	22
“ senile.....		1	1			1		2			1	1	7
Dementia, acute.....				1									1
Dentition.....	1				1	1							3
Diabetes.....					1	1		1	1			1	5
Diarrhoea.....					2		4		2	2		1	11

TABLE No. 4.—Continued.

CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Diphtheria.....	2	2	1			3	4		1	2	1	1	17
Dropsy.....	1			1	1			1					4
Dysentery.....							1	1		1			3
Eclampsia, puerperal.....	1			1				1			1		4
Elephantiasis.....				1									1
Emboli-in cerebral.....						1							1
Empyema.....				1									1
Endarteritis of brain.....												1	1
Endocarditis.....				5	1			1					7
Enteritis, catarrhal.....	1	1											2
" gastro.....	2	6	2	2	1		2	3	1	1	2	2	24
Epilepsy.....									1				1
Erysipelas.....			1										1
Fever, brain.....						1							1
" gastric.....									1				1
" scarlet.....			1	1									2
" typhoid.....	2	1	1	1			1	1			2	1	10
Fracture of femur.....			1	1									2
Gastritis.....	3	3	1		1	1	1		1			2	13
Goitre exophthalmic.....				1									1
Gunshot wound of lung.....												1	1
Heart, disease of.....		4	3	3	4	3	3	3	3	1	3	5	35
" dilatation of.....				3						1			4
" embolism of.....												1	1
" hypertrophy of.....[ital		1							1				2
" malformation congen												1	1
" mitral insufficiency.....		1										2	3
" " regurgitation.....			1					1		2	1	1	6
" paralysis of.....			1			1		1					2
" syncope of.....	1												1
" valvular disease of.....		2	2		1	1	1	2	2	3	3	1	18
Hemiplegia.....		1					1	1					3
Hemophilia.....											1		1
Hemorrhage, cerebral.....						2	3	1	1		1		8
" intercranial.....			1										2
" postpartum.....						1						1	2
" pulmonary.....	1												1
" renal.....												1	1
Hepatitis.....					1								1
Hernia, strangulated.....							1	1					2
Hydrocephalus.....	1				1								2
Icterus neonatorum.....			1								1		2
Indigestion, acute.....							1	1					2
Influenza.....					1								1
Intestinal obstruction.....	1								2		1		4
La grippe.....	1	1	3								1	1	7
Laryngitis.....						1							1
" catarrhal.....		1											1
" tubercular.....	1												1
Liver, cirrhosis of.....		2			1				1	2	3		9
" congestion of.....					1	1					1		3
" hypertrophy of.....	1												1
Lungs, congestion of.....	1			3				1				3	8
" oedema of.....				1									1
Lupus vulgaris.....									1				1
Malformation.....										1			1
Malnutrition.....										1		1	2
Mania a Potu.....								1					1
Marasmus.....	3	2	2	2	1	1	3	4	9	4	4	2	37
Measles.....		1											1
Meningitis.....		2	5	3		1	6	4	1	2	4	2	30
" cerebral.....	1	1	1			2		1				1	7
" cerebro-spinal.....	1									1			3
" tubercular.....				2		1					3		6
Mycosis fungose.....									1				1

TABLE No. 4.—Continued.

CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Myelitis									1				1
Myocarditis		1											1
Nephritis	4	5	4	5		2	5	1	1	3	1	8	39
" chronic interstitial..	1	1	1						1	2	2	1	9
Œdema of glottis								1					1
Old age	1		2	2	2	3		1	1		1	2	15
Paralysis	1	1	3	1	2	1	2	1	2		3		17
Paraplegia		1								1			2
Paresis			1					3	1	1			6
Parturition				1									1
Perforation of bowel		1											1
Pericarditis	1								1				2
Peritonitis	2		1	1	3	2		3	1	1	5	2	21
Peritussis					2						2		5
Phthisis pulmonalis	3	9	7	5	3	6	2	6	5	1	7	7	61
Pleurisy			1									2	3
Pneumonia	16	12	7	6	10	4	3	5	2	6	9	10	90
" broncho	1	2	3	2	1	2		1		1	1	2	16
" pleuro	1		1					1	1				4
" typhoid										1		1	2
Poisoning by morphine					1							1	1
" by ptomaine												1	1
" by turpentine										1			1
Premature birth	1	3	4	1		4	1	3	4	4	5	3	33
Prostatitis ulcerative											1		1
Pyæmia		1				1							2
Rachitis				1									1
Rheumatism	1	1	1					1					4
Sarcoma		1		1									2
Sclerosis, arterio				1				1		1			3
Scorbutus									1	1			2
Septicæmia			1		1			1	1				4
Spasm of glottis											1		1
Stenosis mitral			1										1
Stillborn	6	7	6	7	6	5	5	3	6	3	4	4	62
Suicide, by asphyxiation									1			1	2
" by hanging		1									1		2
" by poisoning							1						1
" by shooting						1	1	1					3
Surgical shock	1			2	1	1							5
Syphiloderma								1					1
Tabes, mesenterica	1												1
Tetanus							2						2
Tonsillitis		1											1
Tuberculosis	1	1	2	5	4	3	2	2	1			5	26
Tumor, abdominal	1												1
" of brain										1			1
" of kidney										1			1
Unknown			1	1	1	1							4
Uræmia	1	2	1	2	2				1				9
Totals	95	97	106	99	78	79	107	109	108	90	96	104	1,168

INSPECTION OF MILK.

Gentlemen of the Board of Health:

I beg leave to submit the following as a report of the inspection of milk during the year 1903:

During the year 828 samples of milk, skim milk, and cream were taken. Two hundred and seventy-six samples were brought into the office by citizens and milk dealers, and the remaining 552 were taken by the inspectors and paid for at the retail price. In six cases sealed, duplicate samples were demanded and given and receipts taken therefor. During the winter season of higher legal requirements, namely, January, February, and March, 161 samples of milk were tested averaging 3.991 per cent of butter fat with a specific gravity of 1.03097, and 37 were below the legal standard of butter fat.

During the summer period of April, May, June, July, August, and September, 482 samples of milk were tested, averaging 3.778 per cent butter fat with specific gravity of 1.03061, and 18 were below the legal standard in butter fat. During the months of October, November, and December, 175 samples were tested averaging 4.142 per cent of butter fat with specific gravity of 1.03128 per cent and 17 were below the legal standard of butter fat. Of the entire 828 samples taken 72 were below the legal standard.

Twelve samples of skim milk and cream were taken, the cream averaging 27.7 per cent butter fat.

Drying and weighing to determine total solids was resorted to 13 times. The specific gravity of the milk serum was determined 11 times. The milk has also been tested for acidity by the Mann volumetric method of analysis. One hundred and sixty-one samples of milk tested from January 1 to March 31 showed .162 per cent acidity; 419 samples tested from April 1 to September 30 showed .155 per cent acidity, and 174 samples from October 1 to December 31 showed .159 per cent acidity.

Almost every sample was tested for formaldehyde and many additional tests were made for colostrum cells, coloring matter, carbonates, salicylic acid, and boric acid.

Thirty wagons were found improperly marked, 15 having the wrong name and license number, and 15 being without name or number, while 15 dealers were found selling without a license.

Thirty-four letters have been written to dealers and raisers of milk during the year.

RAISERS OF MILK.

We make a practice of testing milk for all dealers and raisers and this proves very satisfactory as they can thereby tell exactly where milk which is below standard is coming from. Several times we have saved the dealers a possible prosecution for selling adulterated milk.

On several occasions I have analyzed milk for dealers which they bought and have found it adulterated with water, in several cases as much as 33 per cent of water being added. As these raisers of milk did not live in our city we had no authority in the matter other than to warn the dealer not to sell this milk in the city of Manchester.

In October I notified the state board of health and asked them to provide some means by which this practice might be stopped. Upon October 27 I received a letter from Dr. Watson, the secretary, in which he stated that the difficulty might be overcome by appointing me an agent to collect samples of milk from such sources as I had reason to believe might not meet the requirements of the Public Statutes, the samples to be properly sealed and marked and forwarded to the state laboratory of hygiene for examination. This appointment was made, but I am glad to say that I have had no milk since which would call for this extreme inspection. However, at the first opportunity I intend to use the authority thus given me, as I am convinced that it will have some effect in discouraging this dishonest practice.

MEASURES.

Complaint was made at this office that some of the one quart milk bottles were not up to the standard measure. We tested several different makes, or rather different shaped bottles, and found this to be true, some of them being about one-half gill short of the standard measure.

BACTERIA.

Early in the summer I prepared a number of nutrient gelatine and agar-agar culture media tubes to be used in the counting of bacteria in milk. In doing this work we have had considerable difficulty to get some authority upon the number and kind of germs which are injurious to the user of milk. I found in my experiments that even fresh milk obtained from a favorable source contained tens of thousands to the cubic centimeter, and milk of questionable freshness contained millions to the cubic centimeter.

OLD MILK.

It has come to my notice that the average milk from stores has a greater per cent of acid than that which is sold by the milk wagons and the only way in which I can account for this is that some stores must sell milk which is not fresh. My experience has been that milk which we collect from milk wagons will keep in a refrigerator from twenty-four to forty-eight hours before it has become as acid as that

of the average store milk. This convinces me that the average store man buys milk and if he does not sell it on the first day he sells it the next day and very likely on the third, or until it becomes sour.

This is all wrong and some means should be devised to put a stop to the practice, as the public are entitled to fresh milk when they pay for it. Store men should make an extra effort to keep fresh milk. They should have a fresh supply each day, or better still, twice a day, and the milk which is left over should be returned to the milkman to be worked up into butter, etc.

Medical experts tell us that old milk is very injurious to babies and to invalids, and personal experiments show that the number of bacteria which it contains is hardly conceivable to the average person. I took a sample of milk which was quite acid and made cultures from it, finding it to contain about six million bacteria to the cubic centimeter. The acidity of milk is usually caused by the growth of bacteria, therefore it is very essential that milk should have a small per cent of acidity. I believe that if the grocery stores sold only fresh, clean milk that the death rate among children would be decreased.

The ordinary tin quart measure used in measuring milk is very liable to be a source of contamination also. Every day it may be seen on the milk wagons and store counters where it catches the dust of the streets and store and if not used often traces of sour milk will be left in it to be doled out to the next customer.

PROSECUTIONS.

Milk licenses expire on May 31 and must be renewed by the first day of June. Some dealers are careless about this and several of them were found selling milk after their licenses had expired. After this had occurred several times the parties were reported, called before the police court and fined. This should be a warning to all dealers to comply with the law by renewing their licenses at the proper time.

PLUMBING INSPECTOR'S REPORT.

Plumbing fixtures set:	
Number of tank water-closets	653
frost-proof closets, Kelly & McCulloch.....	14
sinks	371
bathtubs	276
washbowls	291
wash trays	114
urinals	26
refrigerators	16
slophoppers	6
cellar drains	8
Other fixtures not classified above	104
Total number of fixtures put in	<hr/> 1,897

Number of plumbing notices filed	386
water tests of soil pipe made	396
stacks of soil pipe made	408
smoke tests of soil pipe	12
defects and leaks found	78
complaints investigated	12
fixtures and pipes found unserviceable and re- paired	26

Two hundred consultations with owners, tenants, agents, plumbers, etc., were held.

A total of 2,000 inspections were made of the work during its progress and after its completion.

Respectfully submitted,

CARL O. SEAMAN,

Inspector of Plumbing and Milk.

SANITARY INSPECTORS' REPORT.

Gentlemen of the Board of Health:

We beg leave to submit the following as the report of the work of the sanitary inspectors for the year 1903:

Vaults and privies inspected	104
Vaults inspected after cleaning	142
Water closets inspected	1,244
Urinals inspected	59
Yards and alleys inspected	1,343
Cellars inspected	930
Barns and outbuildings inspected	200
Tenements inspected	512
Barn cellars inspected	178
Teams and riggings of excavators inspected	36
Soaperies and slaughterhouses inspected	23
Vaults and privies ordered cleaned	77
Yards and alleys cleaned	398
Cellars cleaned	108
Barn cellars cleaned	42
Sheds, etc., cleaned	32
Tenements cleaned	63
Water closets cleaned or repaired	407
Leaky drain pipes repaired	93
Houses within 100 feet of the public sewer and not connected therewith	15

Openings other than leaks in the drainage system were found in 31 places and same were ordered closed by the department.

Sixty-five bathtubs and 11 washtrays were inspected.

Sewage was found running upon the surface of the ground in 20 places and such nuisances were abated either by entering the sewer or carrying away in some manner not offensive.

In doing the work of the department it has been necessary to make 4,168 calls and to write 440 letters.

Five hundred and twenty-six complaints have been investigated.

In 455 cases the inspectors have been able to give relief, and in 71 cases it was found that no cause existed or that same was beyond the control of the department.

Fifteen complaints were made against the scavenger service, in each case the proper parties were notified and relief afforded.

Thirty persons were found throwing garbage in the back streets and lake and were warned against the practice.

Private swill collectors have been warned 51 times to be neater in their work.

Forty-six dead animals have been properly disposed of.

Ninety-eight hens and small animals have been removed from cellars.

Ninety-nine swine and cows have been discovered being kept within the sanitary limits of the city without licenses. The same were ordered removed or licenses procured.

Fourteen notices have been prepared and served and proper returns made.

One hundred and thirty-five catch-basins or street cesspools have been inspected, and 34 have been flushed or repaired by order of this department.

A sanitary inspection has been made of 31 bakeshops and 23 stores. Theatres have been inspected nine times, circuses twice and sausage factories 18 times.

The dumps have been inspected 24 times.

One hundred and twenty-three nuisances not otherwise classified have been abated through the efforts of this department.

Householders have been given three permits to clean their own vaults.

Permits to the number of 1,592 have been granted for the burial and removal of dead bodies, and the returns forwarded to the city registrar.

A statement of mortality has been prepared each month and copies sent to about two hundred and fifty other towns and cities to local physicians, etc.

Weekly reports of contagious diseases have been sent to the state board of health at Concord and the Marine hospital service at Washington, D. C. Four samples of water and ten samples of oysters were sent to the state laboratory for analysis.

Contagious and infectious diseases have been reported as follows: Measles 112, diphtheria 146, typhoid fever 62, scarlet fever 37, membranous croup 26, smallpox 162, total 545.

Five hundred and twenty-five of these cases were reported by physicians, 16 by householders, and 4 were discovered by the inspectors.

The inspectors were unable to trace the cause in 336 cases, in 197 cases the connection with some previous case was clearly traceable. Eight cases were contracted outside of the city and in 4 cases it was reasonable to attribute the cause to insanitary surroundings.

In some cases disinfectants were being used and the inspectors ordered their use in other cases. At most of these places instructions were given as to their use and in many cases the department furnished the disinfectants.

In some cases patients were found well isolated and in other cases inspectors were obliged to order isolation and in all cases to give instructions as to the steps to be taken.

Houses were watched to see that the rules of isolation were complied with and 24 funerals were attended to prevent a too public observance of the same.

One thousand, four hundred and fifty-eight rooms where diseases had existed were fumigated by the inspectors and bedding was burned in three cases.

About 3,000 pamphlets issued by the state board of health have been distributed in localities where contagious disease existed.

The shores of Lake Massabesic were patrolled by the inspectors on Sundays, holidays, and through the week during the summer season.

Ice fields from which ice was being cut were inspected and several picnics and band concerts were attended to prevent the careless disposal of waste and rubbish in the lake or on its shores.

Respectfully submitted,

JOHN F. LOONEY,

WILLIAM B. BLAKE,

Sanitary Inspectors.

REPORT
OF THE
CHIEF ENGINEER, FIRE DEPARTMENT.

REPORT OF THE FIRE ENGINEER.

CHIEF ENGINEER'S OFFICE,
CENTRAL STATION, No. 8 VINE STREET,

MANCHESTER, N. H., December 31, 1903.

To His Honor, Eugene E. Reed, Mayor, and Gentlemen of the City Council:

In compliance with the Laws and Ordinances of the city of Manchester, I herewith submit my twenty-fifth annual report on the working of the fire department for the year ending December 31, 1903, it being the fifty-seventh of this city.

The department answered to two hundred and eighty-four (284) alarms during the year, being eighty-six (86) more than last year, and a larger number than ever since the organization of the city. One hundred and seventy-nine (179) have been still alarms and one hundred and five (105) have been bell alarms. Of the bell alarms one (1) has been "second" alarm, and eight (8) have been false alarms, only one of which have we been fortunate enough to locate the person or persons causing them.

Three out-of-town calls have been responded to as follows: May 26, sent Steamer No. 1, with hose wagon, horses and men to Concord, N. H., to "cover in" for two steamers they had sent to the aid of Lakeport, N. H. August 18 sent Steamer No. 4, with hose wagon, horses and men to Epping, N. H., and December 19 sent Steamer No. 1, with hose wagon, horses and men to Goffstown, N. H. On our arrival at the foregoing places the fire was under such control that our apparatus was not taken from the cars, although at Goffstown some of our men rendered personal assistance in relieving some of the exhausted members of the local department.

Forty (40) of our alarms have been for grass or brush fires, and one hundred and one (101) have been chimney fires.

The department has laid one hundred and eight thousand, eight hundred and eighty-five (108,885) feet of hose, "thrown" twenty-three hundred and seventy-nine (2,379) feet of ladders, used one hundred and eighty-five (185) "pony" extinguishers, and forty-one (41) chemical engine tanks.

The value of property endangered, the amount of insurance carried on same, the amount of insurance paid, and the net losses, as far as could be ascertained (not including chimney or brush fires), aggregate as follows:

Value of buildings		\$532,550.00
Value of contents		96,266.50
		<u>\$628,816.50</u>
Insurance carried on buildings	\$286,454.00	
Insurance carried on contents	60,680.00	
		<u>\$347,134.00</u>
Damage to buildings	\$29,373.23	
Damage to contents	22,043.12	
		<u>\$51,416.35</u>
Insurance paid on buildings	\$23,403.19	
Insurance paid on contents	15,976.95	
		<u>\$39,379.95</u>
Leaving net loss above insurance of.....		<u>\$12,036.40</u>

THE MANUAL FORCE.

An ordinance passed June 2, 1903, allowing the permanent men another day off in each month, necessitated the election of another permanent driver, and the force at present consists of thirty-five (35) permanent men and one hundred and twenty-six (126) call men assigned as follows:

	Per-	Call.	manent.
1 chief engineer			1
4 assistant engineers	4		
Engine Company No. 1	11		3
Engine Company No. 2	11		3
Engine and Ladder Company No. 3.....	15		5
Engine Company No. 4.....	11		3
Engine and Ladder Company No. 5.....	16		4
Engine and Ladder Company No. 6.....	16		4
Hose Company No. 1	11		1
Hose Company No. 2	10		2
Hose Company No. 3	6		2
Aërial Truck No. 1	12		3
Chemical No. 1	3		2
Spare drivers			2
		<u>126</u>	<u>35</u>

Making a total of one hundred and sixty-one (161) men.

THE BUILDINGS.

Aside from minor repairs the buildings remain about the same as last year. The gravel roofs at central station have been repeatedly

patched, and are still in a leaky condition, and probably will be more or less so until newly graveled throughout. In fact, the annual appropriations for repairs are much too low to meet the necessary demands for thorough repairs. The unusual amount of heavy snow the past winter emphasizes very strongly the much needed alterations at the Lake avenue station whereby the three-horse hitch, several times alluded to in my previous reports, could be used on Truck No. 3.

Accommodations should be furnished for the chief's horse in the room adjoining the chemical engine by putting in stall and arranging room so a swinging harness could be used.

THE APPARATUS

Consists of 6 steam fire engines, 6 hose wagons (one a combination chemical and one with ladders attached), 3 hose carriages with reels, 4 hook and ladder trucks (one an eighty-five foot aerial, carrying other ladders), 1 supply wagon, 7 exercise wagons. There are 2 hose carriages in the outlying districts with volunteer companies, 2 hose-jumpers (without men), 1 spare one-horse hose carriage, located as follows:

CENTRAL STATION: Two first size Amoskeag steamers, with three-horse hitch, 2 one-horse hose wagons, 1 one-horse hose carriage, one aerial truck (three-horse hitch), 1 double (60 gallons) tank chemical engine, 1 supply wagon, 1 exercise wagon.

NORTH MAIN-STREET STATION: One second size Amoskeag steamer (three-horse hitch), 1 two-horse combination chemical and hose wagon, 1 old U tank steamer in storage, one exercise wagon.

MCGREGORVILLE STATION: One second size Amoskeag steamer, 1 one-horse hose carriage, 1 two-horse hook and ladder truck, 1 exercise wagon.

LAKE AVENUE STATION: One second size Amoskeag steamer, 1 two-horse hose wagon, 1 two-horse hook and ladder truck, 1 exercise wagon.

WEBSTER-STREET STATION: One third size Amoskeag steamer, 1 one-horse carriage, 1 two-horse hook and ladder truck, 1 exercise wagon.

MAPLE-STREET STATION: One two-horse hose wagon, 1 exercise wagon.

SOUTH ELM-STREET STATION: One two-horse combination hose wagon, carrying ladders, 1 exercise wagon.

In addition to the foregoing there is 1 hose carriage in Amoskeag on Front street, 1 hose carriage (volunteer companies), 1 two-wheeled hose carriage, Devonshire Mills, Goffe's Falls, 1 two-wheeled "jumper" in basement of W. P. Farmer's barn cellar, Candia road, corner Hanover street, 1 two-horse combination chemical and hose wagon (in storage), awaiting the completion of the Wilson Hill station, 1 repair wagon for fire alarm telegraph, and 4 sleds for winter use.

THE FIRE ALARM TELEGRAPH.

Two of the tower strikers have had new and improved striking apparatus put in to replace those which have been in use since the system

was first installed thirty-one years ago. Two new boxes, 219, Eaton Heights shoe shop, and 325, corner Kelly and Cartier streets, have been added.

The storage battery which was installed in September, 1898, will undoubtedly have to be replaced the coming year or early in 1905. The "life" of this system of battery has usually been considered five years, and while this is on its sixth year it is still doing good service.

During a heavy wind and rain storm of the night of June 12, the electric light wires crossed with our fire alarm wires and burned out boxes 3, 4, 21, 39, 71, 73, disabling the whole of No. 7 circuit for nearly twenty-four hours. "And thus will it ever be" so long as overhead wires are permitted in the city limits.

We have run eight and one-half miles of No. 9 iron wire, five and one-half miles of which has been for extensions for new boxes, and three miles of it was for replacing hard drawn copper wire.

THE HORSES.

There are at present forty-three horses owned by this department, forty-one of which are permanently employed and two spare.

One of the spare horses, as well as three or four of the permanent ones, have nearly passed their usefulness for fire duty and should be replaced with younger ones. The bays at Hose No. 2, purchased the latter part of last year, proved too light weight and have been exchanged for a heavier pair, as per agreement with Cavanaugh Bros., when put on trial, and a pair of new ones have been put in place of the old pair at Hose Company No. 3.

CASUALTIES.

July 27 while responding to an alarm of fire from Box 5, Luther A. Knight of Engine Company No. 4 sprained his back and was off duty twenty-one (21) days, and October 31 Joseph H. Alsop, of Engine Company No. 2, in attempting to get upon the hose wagon while responding to an alarm from Box 4 was thrown against the curbing sustaining injuries which incapacitated him for 28 days. August 12 George Ladriere was slightly burned while throwing an oil stove from the Shea block, No. 252 Bridge street.

THE FIREMEN'S RELIEF ASSOCIATION.

Through the courtesy of John Stiles, manager of the Park theatre, who very generously arranged and managed a benefit concert on March 22, 1902, the treasury of this association was replenished by the sum of \$527.40, and liberal friends have contributed \$70 additional.

The financial condition of the association is as follows:

Balance on hand at annual meeting, February 10, 1903....	\$5,387.70
Membership dues	160.00
Dividend on deposits in Savings Bank	197.89

Donations:

The E. M. Chase Tea Co.....	\$25.00	
"A friend"	10.00	
Jeremiah Hodge	10.00	
James W. Hill Co.....	10.00	
"A friend"	10.00	
Herbert M. Moody	5.00	
		\$70.00
Net proceeds of benefit concert (including advertising)		527.40
Total		<u>\$6,342.99</u>

Expenditures.

Paid Joseph E. Merrill salary for 1902.....	\$25.00	
postal cards and printing	9.80	
Luther A. Knight, benefit	26.00	
Joseph H. Alsop, benefit	38.00	
blank books	1.00	
		<u>\$99.80</u>
Leaving balance in treasury of		<u>\$6,243.19</u>

CONCLUSION.

I would earnestly recommend the building of storage sheds on the lot of the Wilson Hill station. It is impossible to give the wagons, sleds and spare apparatus proper care for want of suitable storage room.

I would renew my recommendation, made so many times, for a suitable place to keep the supply wagon of Hose Company No. 3 at South Elm street and box stall at Engine and Ladder Company No. 5.

I hope the present city councils will consider the matter of charge for hydrant service so that hereafter it will come under a separate appropriation, as it should be, and not in the appropriation for fire department.

I would recommend the passage of an ordinance that would prohibit employing incompetent men to have charge of the heating boilers of tenement and mercantile blocks. Several instances have occurred within the year that came very near being disastrous to both life and property through the incompetency of persons in charge of heating apparatus.

I desire to return my thanks to his Honor Mayor Reed and the members of the city councils for such assistance as they have rendered in keeping up the efficiency of the department; to the officers and members of the police department for the willing manner they have co-operated with the fire department; to the assistant engineers, officers, and men for their promptness and zeal in keeping the department up to the high standard it maintains.

Respectfully submitted,

THOMAS W. LANE,

Chief of Department.

Number and Location of Fire Alarm Boxes and Keys.

A KEY IS ATTACHED TO EACH BOX (with two exceptions), and can be had by breaking the glass.

No. 3. American Locomotive Company's lower shop. Keys at offices of gas-works, county jail, Manchester Coal & Ice Company's sheds, and Charles H. Hutchinson's shop.

No. 4. Corner Spruce and Elm streets. Keys at Hotel Oxford, L. B. Bodwell & Co.'s, Palmer & Garmon's, street railway stables, and office of Blodgett & Young's block.

No. 5. Corner of Merrimack and Elm streets. Keys at Tebbetts & Co.'s and Hanscom's drug stores, Manchester House, and J. W. Hill Company's store.

No. 6. City Hall. Keys at Holland's and Thurston's drug stores, J. A. Riddle's office, and residence of J. L. Brock, 21 Amoskeag Corporation.

No. 7. Police station, corner of Manchester and Chestnut streets. Keys at chief of police's office and with all police officers.

No. 8. Corner of Elm and Hollis streets. Keys at Dante Smith's and Gadbois' drug stores, and Partridge Brothers' grain store.

No. 9. Corner of Elm and Webster streets. Keys at residence of Mrs. H. D. Corliss, J. Freeman Clough, Dr. E. Fritz, and station of Engine and Ladder No. 5.

No. 12. Corner of North and Pine streets. Keys at residence of Mrs. John Mooar, George Emerson, Walter A. Green and O. D. Knox.

No. 13. Corner of Brook and Chestnut streets. Keys at residence of Welcome Jencks and Mrs. Lewis Simons, No. 1, Senter's block, and Hartshorn's grocery store.

No. 14. Corner of Prospect and Union streets. Keys at residences of Mrs. W. Ireland, Mrs. George W. Riddle, D. J. Adams, A. H. Olzendam, and Mrs. Thomas Morgan.

No. 15. Corner of Pearl and Chestnut streets. Keys at residences of Henry W. Shannon and J. Fred Chalker.

No. 16. Corner of Lowell and Union streets. Keys at residences of Rt. Rev. Bishop and R. H. Hassam.

No. 17. Corner of Amherst and Beech streets. Keys at residences of Miss Mary A. Watts and Michael Connor.

No. 18. Corner of Manchester and Maple streets. Keys at residences of the late H. E. Stevens, A. N. Baker, and William Perkins' estate.

No. 21. Corner of Merrimack and Pine streets. Keys at A. D. Smith's drug store, J. McKeon's grocery store, A. L. Walker's office, and residence of James F. Gillis.

No. 23. Corner of Central and Beech streets. Keys at the residences of the late Eben T. James, and Mrs. Josiah Stevens.

No. 24. Engine and Ladder Company No. 3 house, corner of Massabesic street and Lake avenue. Keys at residence of D. M. Goodwin and station of Engine and Ladder No. 3.

No. 25. Corner of Hanover and Ashland streets. Keys at residences of George F. Lincoln, A. D. Gooden, the late Horace Gordon, and James R. Straw.

No. 26. Corner of Bridge and Russell streets. Keys at McCrillis' carriage shop.

No. 27. Corner of Belmont and Amherst streets. Keys at residences of E. S. Fletcher, estates of George H. Hubbard, and William Carr.

No. 28. Corner of Merrimack and Beacon streets. Keys at residences of A. L. Garmon and H. B. Fairbanks.

No. 31. Corner of Canal and Hollis streets. American Locomotive Company's shop. Keys at office, Amory Mills, Langdon Mills watchrooms.

No. 32. Langdon Mills block, corner of Canal and Brook streets. Keys at the Amoskeag Paper Company's mill, Langdon watchroom, and Electric Light station.

No. 34. Jefferson Mill. Keys at watchroom and pumping station.

No. 35. Stark Mills. Keys at watchroom.

No. 36. Amory Mills. Keys at watchroom.

No. 39. Hillsborough county jail. Keys at office.

No. 41. Amoskeag Mills. Keys at watchroom.

No. 42. Manchester Mills. Keys at watchroom.

No. 43. Olzendam's Mill. Keys at watchroom.

No. 45. The S. C. Forsaith Company's shops. Keys at freight depot and office in building.

No. 51. Corner of Walker and Second streets. Keys at stores of F. Riedel and Henry Weber.

No. 52. Barr's brick block, West Manchester. Keys at Fradd & Co.'s and Wiggin-Young Co.'s stores, Merrimack House, and Engine No. 2 house.

No. 53. The Wallace steam mill. Keys at mill office, I. R. Dewey's tenement block, and Ranno's harness store.

No. 54. Corner of A and South Main streets. Keys at residences of Lord sisters, Neil Fullerton, and George W. Davis' store.

No. 56. Baldwin's bobbin shop. Keys at Baldwin's office and residences of J. C. Smith, E. P. Littlefield, and with watchman at works.

No. 57. Corner Mast road and D street. Keys at residences of Allen E. Eaton and C. H. George, and F. W. Towle's store.

No. 61. Corner of River road and Hancock street, Bakersville. Keys at True W. Jones Company's brewery, store of John A. Kane, and Hose 3.

No. 62. Gerrish Wool & Leather Company's. River road. Keys at tannery, the Edwin Kennedy house, and Hose 3.

No. 71. Corner of Cedar and Pine streets. Keys at residences of T. Collins, Daniel Sheehan, Thomas J. Smith, Simon McCarthy.

No. 72. Corner of Lake avenue and Lincoln street. Keys at residences of the late Austin Jenkins, and James Briggs.

No. 73. Corner of Beech and Cedar streets. Keys at residence of Rev. J. A. Chevalier and Timothy Carr.

No. 81. Central Fire Station, Vine street. Keys at all the engine rooms.

No. 82. Old City Hotel, corner Lowell and Church streets. Keys at Lowell-street stable and Eames Bros.' drug store.

No. 91. Corner Webster and Beech streets. Keys at Children's Home and residences of George E. McClintock, Solomon Johnson, M. E. Sanctuary. (No key on box.)

No. 92. Corner Union and Clarke streets. Keys at residences of Mrs. Julia B. Bradford and E. H. Nutting.

No. 112. Corner of Sagamore and Union streets. Keys at residences of W. A. Clarkson, M. D. Johnson, and Charles F. Chase.

No. 113. Corner of Oak and Prospect streets. Keys at residences of Mrs. William B. Abbott, W. N. Johnson, and E. M. Topliff.

No. 114. Corner of Pearl and Ash streets. Keys at residences of W. S. Shannon, and John J. Bennett.

No. 115. Corner of Blodget and Ash streets. Keys at residences of James A. Rogers and Cyren Bixby.

No. 212. Shoe shop, Hallsville. Keys at the office of the shoe factory and residences of Charles C. Chase, G. W. Dearborn, Mrs. Milton A. Abbott, M. V. B. Garland, and Walter Cody's block.

No. 213. Sash and blind factory. South Beech street, junction of Portsmouth railroad. Keys at offices of Sash & Blind Company.

No. 214. Elliott silk mill, corner of Wilson and Valley streets. Keys at office and watchroom of mill.

No. 215. Hoyt & Co.'s shoe shop, corner of Lincoln and Silver streets. Keys at offices of shoe shop and Kimball Carriage Company and workshop opposite.

No. 216. Jewett and Somerville streets. Keys at residences of G. H. Hill, 140 Jewett street, and W. B. Brown, 128 Jewett street.

No. 217. Corner Candia road and Massabesic street. Keys at residences of L. M. Streeter, William Gadbois, and Charles P. Still.

No. 219. Eaton Heights shoe shop, Page street. Keys at shoe shop office and residences of Charles A. Merrill, John P. Young. (No key on box.)

No. 241. Lake avenue hill. Key at residence of Charles Davis.

No. 261. Pearl-street grammar school. Keys at schoolroom and residences of C. E. Rose, S. W. Bascom, and Charles W. Cheney.

No. 312. Corner of Putnam, Main and McGregor streets. Keys at residences of James Spence (309 Main street), Thomas Bolton, and gate No. 11 mill.

No. 313. Corner Amory and Main streets. Keys at residences of Allen Dean and Lawrence M. Connor, Potvin's drug store, Miville &

Co.'s drug store, gate of No. 11 mill, and station of Engine and Ladder No. 6.

No. 314. P. C. Cheney Company's paper mill. Keys at office and Riverside Hose house.

No. 315. Old Brick store, 'Skeag. Keys at Riverside Hose house and D. Jameson's residence.

No. 321. Corner Beauport and Wayne streets. Keys at Holy Angels convent, the Brothers' school, and residences of E. H. Doherty and Rev. Father Hevey.

No. 323. Corner of Putnam and Bartlett streets. Keys at Albert Oliver's store, P. J. Archambeault's bakery, and residence of Officer Lewis Clement.

No. 324. Amory and Laval streets.

No. 325. Kelley and Cartier streets.

No. 511. Corner of Douglas and Green streets. Keys at residences of Amelia Davis, William A. Tufts, and James Kearns.

No. 512. Corner Beauport and Adams streets, West Side.

No. 513. Corner of Milford and Carroll streets. Keys at residences of J. W. Abell, James Ward, and Mrs. Elizabeth Ward.

No. 711. Corner Union and Grove streets.

Also, keys will be found in the hands of all regular police.

The true time will be given at precisely 12.30 P. M. from Charles A. Trefethen's jewelry store, and will be denoted by one stroke of the fire bells.

Telephone Calls.

Chemical Engine, Central station	64—3
Engine No. 2	84—2
Engine and Ladder No. 3	84—3
Engine and Ladder No. 5	64—2
Engine and Ladder No. 6	84—4
Hose No. 2	116—3
Hose No. 3	102—2
Chief Engineer Lane's office	64—3
Chief Engineer Lane's house	64—4
Assistant Engineer Merrill's office	212—3
Assistant Engineer Bean's house	533—2
Assistant Engineer Seaward's house	239—5

Two long rings twice call all stations on line.

Instructions to Keyholders and Citizens.

1. Upon the discovery of a fire, notice should be immediately communicated to the nearest alarm box, the key of which is in a circular box attached to the right side of the fire-alarm box. Keys are also in

the hands of all regular police, and generally of persons at the corner or nearest house.

2. Keyholders and others, upon the discovery of a fire, or positive information of a fire, will unlock the box, pull down the hook once as far as it will go (without jerking), and then let go. Shut the door, but do *not* try to remove the key, as it is locked in by a trap lock, and can only be removed with a release key, which is carried by each of the engineers, and they will, as soon as convenient, release and return it.

3. All persons giving fire alarms are requested to remain by the box a moment, and if no clicking is heard in the box, pull again; if you still hear no clicking, go to the next nearest box and give an alarm from that.

4. Never signal for fire seen at a distance. Never touch the box except to give an alarm of fire. Give an alarm for no other cause than actual fire. **DOX'T GIVE AN ALARM FOR A CHIMNEY FIRE.**

5. Never let the keys go out of your possession unless called for by the chief engineer. *If you change your residence or place of business, where the keys are kept, return the keys to the same officer.*

6. Owners and occupants of buildings are requested to inform themselves of the location of alarm boxes near their property; also all places where the keys are kept. Be sure the alarm is promptly and properly given.

7. Alarms will be sounded upon all the fire-bells in the city, and the number of the box will be given thus: Box 6, six blows, $2\frac{1}{2}$ seconds apart, repeated three times. Box 212, two blows, pause of $6\frac{1}{4}$ seconds, one blow, same pause, and two blows, 2—1—2, repeated three times.

8. The engineers reserve the right to give one stroke of the bells at any time; and in case of testing the boxes, each test will be preceded by one stroke of the bells.

APPARATUS CALLED TO DIFFERENT BOXES ON FIRST, SECOND, AND THIRD ALARMS.

BOXES.	FIRST ALARM.			SECOND ALARM.			THIRD ALARM.		
	Engine.	Hose.	Hook and Ladder.	Engine.	Hose.	Hook and Ladder.	Engine.	Hose.	Hook and Ladder.
3	1st R. 3	C. 1	1-3	2d R. 2			5-6	2	5-6
4	1st R. 2-3	"	1-3	2d R.	2	5	5-6		6
5	1st R. 2-3	"	1	2d R.	2-3	5	5-6		6
6	1st & 2d R.	"	1-2	2-3	3	5	5-6		6
7	1st R. 3	"	1	2d R.	2	5	2-5-6	3	6
8	1st & 2d R. 5	"	1-2	3		3	2-6	3	6
9	1st R. 5	"	1	2d R.	2	1	2-3-6	3	3-6
12	5	"	1	1st R.	2	1	2d R. 2-3-6	3	3-6
13	1st R. 5	"	1-2	2d R.		1	2-3-6	3	3-6
14	1st R. 5	"	1-2	2d R. 3		1	2-6	3	3-6
15	1st & 2d R. 5	"	1-2	3		3	2-6	3	6
16	1st R. 5	"	1-2	2d R. 3		3	2-6	3	6
17	1st R. 3	"	1-2	2d R. 5		1	2-6	3	3-6
18	1st R. 3	"	1-2	2d R.		1	2-5-6	3	5-6
21	1st R. 3	"	1	2d R. 2	2	5	5-6	3	6
23	1st R. 3	"	1-2	2d R.		1	2-5-6	3	5-6
24	1st R. 3	"	1-2	2d R.		1	2-5-6	3	5-6
25	1st R. 3	"	1-2	2d R.		1	2-5-6	3	5-6
26	1st R. 3	"	1-2	2d R. 5		3	2-6	3	1-6
27	1st R. 3	"	2	2d R.	1	1	2-5-6	3	5-6
28	3	"	2	1st R.	1	1	2d R. 2-5-6	3	1-5-6
31	1st R. 6	"	1	2d R. 5	2	6	2-3	3	3
32	1st R. 5	"	1	2d R. 6	2	6	2-3	3	3
34	1st & 2d R. 5-6	"	1-2	2-3		3-6		3	
35	1st & 2d R. 5-6	"	1	2-3	2	3-6		3	
36	1st & 2d R. 5-6	"	1	2-3	2	3-6		3	
39	1st R. 3	"	1-3	2d R. 2	2	5	5-6		6
41	1st & 2d R. 2-3	"	1	5-6	2-3	5-6			
42	1st & 2d R. 2-3	"	1	5-6	2-3	5-6			
43	1st R. 2-3	"	1	2d R. 6	2-3	1	5		5-6
45	1st & 2d R. 2-3	"	1	5	2-3	5	6		6
51	2-6		6	1st R. 3C1	1	3	2d R. 5	2-3	1-5
52	2-6		1	1st R. 3	3	3	2d R. 5	2	1-5
53	2-6		1	1st R. 3		3	2d R. 5	2-3	1-5
54	2-6		6	1st R.	1	1	2d R. 3-5	2-3	1-3-5
56	2-5		1	1st R. 3	3	3	2d R. 5	2	1-5
57	2-3		1	6	3	3	1st & 2d R. 3-5	2-3	1-3-5
61	1st R. 3		1-3	2d R. 2			5-6		5-6
62	1st R. 3	C. 1	1-3	2d R. 2			5-6	2	1-5-6
71	1st R. 3	"	1	2d R.	2-3	1	2-5-6		5-6
72	1st R. 3	"	1	2d R.	2	1	2-5-6	3	5-6
73	1st R. 3	"	1	2d R.	2	1	2-5-6	3	5-6
81	1st & 2d R.	"	1	5	2	3-5	2-6	3	6
82	1st & 2d R. 5	"	1-2	3-6		3-6	2		
91	1st R. 5	"	1	2d R.	2	1	2-3-6	3	3-6
92	1st R. 5	"	1	2d R.	2	1	2-3-6	3	3-6
112	1st R. 5	"	2	2d R.	1	1	2-3-6	3	3-6
113	1st R. 5	"	2	2d R.	1	3	2-3-6	3	3-6
114	1st R. 5	"	1-2	2d R. 3		3	2-6	3	1-6
115	1st R. 5	"	2	2d R.	1	1	2-3-6	3	3-6
212	1st R. 3	"	2	2d R.	1-3	1	2-5-6		5-6
213	1st R. 3	"	2-3	2d R.	1	1	2-5-6	1	5-6
214	1st R. 3	"	2-3	2d R.		1	2-5-6	1	5-6
215	1st R. 3	"	2-3	2d R.	1	1	2-5-6		6-5
216	1st R. 3	"	2	2d R.	1	1	2-5-6	3	6-5
217	1st R. 3	"	2	2d R.	1	1	2-5-6	3	5-6
219	1st R. 3	"	2	2d R.	1	1	2-5-6	3	5-6
241	3	"	2	1st R.	1	1	2d R. 2-5-6	3	5-6
261	1st R. 3	"	1-2	2d R. 5		5	2-6	3	3-6
312	1st R. 2-6		1	2d R. 5C1	2	1	3	3	3-5
313	1st R. 2-6		1	2d R. 5	2	1	3	3	3-5
314	5-6	C. 1	1	1st R. 2		6	2d R. 3	2-3	1-3
315	5-6	"	5	1st R.	1	6	2d R. 2-3	2-3	1-3
321	2-6		1	1st R. 5		1	2d R. 3	2-3	1-3-5
323	2-6		1	1st R. 5		5	2d R. 3	2-3	3-5
324	2-6		1	1st R. 5		5	2d R. 3	2-3	1-3
325	2-6		1	1st 5 C.		5	2d R. 3	2-3	1-3
511	2-6		6	1st R.	1	3	2d R. 3-5	2-3	1-6
512	2-6		1	1st R.		1	2d R. 3-5	2-3	3-5
513	2-6		6	1st R.	1		2d R. 3-5	2-3	1-3-5
711	1st R.	C. 1	3	2d R.	2	1	2-5-6	1	5-6

Rules and Regulations in Regard to Responding to Fire Alarms, etc.

The following rules have been adopted by the board of engineers and the fire department will strictly comply until otherwise ordered, and will attend alarms of fire as per OFFICIAL RUNNING CARD.

RUNNING RULES.

Whenever an alarm is sounded, the members of all companies not called to that box will report to their respective company quarters, and *there remain until dismissed* by the signal of the bells or by an engineer in charge.

In case companies on their first run have responded to an alarm, companies on their second run to the box from which the alarm has been sounded will answer all first-run boxes of the absent companies; and in case engines are out that would respond to another box, then third alarm companies will respond. In case of alarm from a box that does not call for a third alarm, companies on their second run will then answer to all other boxes.

Whenever two trucks answer to first alarm the other truck will answer to all other boxes.

At any time when an alarm of fire is given, the engine, hose carriage, or truck that leaves the house first will have the right to lead to the fire. Whenever a horse lags or gives out, drivers should then give others the right of way, so as not to delay the rest of the apparatus. NO RUNNING BY WILL BE ALLOWED, EXCEPT IN CASE OF ACCIDENT, UNDER PENALTY OF DISMISSAL OF THE DRIVER FROM THE DEPARTMENT.

The drivers shall not permit persons not connected with the department to ride upon the apparatus, and in muddy weather or heavy wheeling they shall not permit any one to ride upon their apparatus when returning from fires.

Drivers will take the following routes in responding to alarms on the West Side: For crossing Amoskeag bridge, take Elm street to Salmon, down Salmon and across the bridge. For crossing McGregor bridge take Elm street to Bridge street, down Bridge street and across the bridge. For crossing Granite bridge take Elm street to Granite, down Granite and across the bridge.

Use gongs freely to clear streets and when nearing crossings.

Engineers of steamers will not run over eighty (80) pounds of water pressure, except when orders are received from a member of the board of engineers or the officer in command of the company.

Captains or officers commanding companies will see that the rules and regulations of this department are adhered to; to report any inattention to duty or failure to comply with the rules, or any disobedience of orders, and upon return from alarms will report to headquarters immediately, personally or by telephone, after apparatus is "made up" and ready for duty.

THIRD ALARM.

ON THIRD ALARM all apparatus will respond.

GENERAL ALARM.

In the event of a fire of such magnitude that second and third alarms are needed, a general alarm will be given by striking TEN BLOWS, in which case all companies will respond.

SPECIAL CALLS ON FIRE ALARM.

When more apparatus is wanted, without giving second and third alarms the following specials calls will be given:

2—1 for Engine 1.	1—1—1 for Aërial Truck.
2—2 for Engine 2.	3—3 for Truck 3.
2—3 for Engine 3.	3—5 for Truck 5.
2—4 for Engine 4.	3—6 for Truck 6.
2—5 for Engine 5.	4—1 for Hose 1.
2—6 for Engine 6.	4—2 for Hose 2.
	4—3 for Hose 3.

Companies answering "special calls" will wait thirty seconds before leaving quarters, to prevent mistakes.

OUT-OF-TOWN CALL.

For a fire out of the city or brush fire, 2—2—2, all companies will assemble at their respective quarters and await orders.

ALL OUT SIGNAL.

Two blows on the bells, which dismisses all members at company quarters.

The signal will be given after companies working at a fire have returned to quarters, "made up," and are ready to respond to another alarm.

TEST SIGNAL.

One blow at 12.30 noon.

SCHOOL SIGNALS.

1—1, with fifteen seconds between blows, closes primary and middle schools.

2—2, with fifteen seconds between the 2's, closes all the schools. Time for giving same, 7.30 A. M., 11.20 A. M., or 1.15 P. M.

MILITARY CALL.

12 blows twice.

Rules for Exercising Horses.

It shall be the duty of the drivers of engines, hose carriages, hose wagons, hook-and-ladder trucks, and all other apparatus connected with this department, to exercise the horses every day, weather permitting, except Sunday, with the exception of engines having "first" and "second runs," and in such cases must exercise on days of "second run," the same to be done within the following limits:

CENTRAL STATION.

North to Pearl street.	East to Union street.
South to Merrimack street.	West to Chestnut street.

NORTH MAIN-STREET STATION.

North to Adams street.	East to Main street.
South to Granite street.	West to Dubuque street.

LAKE AVENUE STATION.

North to Manchester street.	East to Belmont street.
South to Summer street.	West to Maple street.

MAPLE-STREET STATION.

North to Myrtle street.	East to Linden street.
South to Hanover street.	West to Union street.

WEBSTER-STREET STATION.

North to Clarke street.	East to Union street.
South to Pennacook street.	West to Elm street.

RIMMON-STREET STATION (MCGREGORVILLE).

North to Kelley street.	East to Beauport street.
South to Wayne street.	West to Rimmon street.

BAKERSVILLE STATION.

North to bridge, over Boston & Maine railroad.	
South to Baker street.	
East to Calef road.	West to Brown avenue.

Drivers must confine themselves to the above, and in no case take their horses beyond the prescribed limits, except for shoeing and in case of fire, without permission from the chief or assistant engineer.

In exercising, care must be taken to avoid colliding with other teams. In approaching corners, crossings, street car tracks, and in going down grades the speed of the horses must be checked.

In case of an alarm use gong freely while returning to quarters.

Any driver violating these rules will be liable to suspension or discharge.

Stations and Sleeping Rooms.

All stations of this department will be open from 7 A. M. until 9 P. M., and the members at the several stations will receive visitors and citizens courteously, answer all questions in a gentlemanly manner, and give any proper attention.

No political or religious discussions will be allowed in any of the houses of this department or by the officers or men when on duty.

No permanent member of the department shall attend a caucus or political convention as delegate, distribute tickets at any election, or take any part whatever in political matters other than to exercise his right of suffrage.

Gambling of any kind shall not be permitted in or about any of the houses or premises occupied by the department.

Stations to be closed at 10 o'clock P. M.

All games must cease at 10 P. M., and the stations be closed at that hour, to permit the permanent men, and those detailed to sleep in the station, to retire undisturbed.

None of the stations will be open after the above hour (except in case of an alarm of fire) without permission of the chief or a member of the board of engineers, although stations may be kept open on Saturday evening until 11 o'clock.

No spirituous or malt liquors shall be allowed in or about any of the fire stations, and any member of the fire department seen intoxicated at any fire or alarm of fire, or who shall be known to frequent places where liquors are sold, during the progress of a fire, or whenever in uniform, shall be subject to reprimand, or dismissal, as the board of engineers may determine.

Any permanent member visiting any liquor saloon in uniform, except in the performance of his duty as a member of the fire department, or who is intoxicated or visits places where intoxicating liquors are sold, while on duty, shall be suspended or discharged, as the board of engineers may determine.

Any violation of these rules will subject the offender to reprimand or dismissal, and commanding officers of companies having knowledge of the violation of the foregoing rules will suspend the offender, and report the same to the chief or board of engineers.

The permanent men shall exercise a careful supervision over the sleeping apartments, see that the rooms are put in order and the beds made as early as 11 o'clock A. M., and that the bedding is changed at suitable intervals. The occupants of each bed will be held responsible for the cleanliness of the same, and held strictly accountable for any damage to either bed or bed clothing through carelessness. After 10 P. M. occupants shall refrain from loud talking or in any manner disturbing the rest of any who have retired.

Absent from City or Station.

No permanent member shall leave his station to visit any section of the city without permission of the chief or an assistant engineer, or leave the city, or be granted leave of absence, without notifying the chief engineer and procuring a substitute to his acceptance, and the substitute shall be on duty before the applicant leaves his post, except on his regular "days off."

Any call member expecting to be absent from the city shall notify the captain of his company, and before leaving the city shall procure a substitute satisfactory to said captain.

Substitutes running for and answering the names of any call man shall be entitled to the same pay, *pro rata*, as the call man for whom they answer for the time they substitute, and the clerks of the several companies shall keep said substitutes' time and notify the regular call man of the amount due from him and pay said amount to the substitute performing said service.

Any member of the department not complying to the above rules shall be liable to suspension or expulsion from the department.

DAYS OFF.

ON AND AFTER JUNE 15, 1903, AND UNTIL FURTHER NOTICE, THE "DAYS OFF" OF THE PERMANENT MEN WILL BE AS FOLLOWS:

Day of month.	NAME.	COMPANY.	Day of month.	NAME.	COMPANY.
1-15	Hall.....	Engine 1.	19- 2	Worthen.....	Hose 2.
2-16	Harvey.....	" 1.	19- 2	Morse.....	Engine & ladder 5.
3-17	Barker.....	" 1.	20- 3	Smith.....	" " 5.
4-18	Parsons*....	Hose 1.	21- 4	Cann, B. C.*..	" " 5.
5-19	Gould.....	Engine 4.	22- 5	Hubbell.....	" " 5.
6-20	Cann, Geo. A.	" 4.	23- 6	Morrill.....	Engine 2.
7-21	Rogers.....	" 4.	24- 7	Denyou.....	" 2.
8-22	Dyer.....	Truck 1.	25- 8	Whitcomb...	" 2.
9-23	Gage.....	" 1.	26- 9	Lane.....	" 2.
10-24	Pherson.....	" 1.	26- 9	Edgar.....	Engine & Ladder 6.
11-25	Porter.....	Chemical 1.	27-10	Foster.....	" " 6.
12-26	Richardson..	" 1.	28-11	Tebbetts.....	" " 6.
13-27	Walker.....	Engine & Ladder 3.	29-12	Crosby*.....	" " 6.
14-28	Piper.....	" " 3.	30-13	Young*.....	Hose 3.
15-29	Dunbar*.....	" " 3.	31-14	Smith*.....	" 3.
16-30	McLeod *....	" " 3.	14-28	Morrill.....	Substitute Driver.
17-31	Porter *.....	" " 3.	15-29	Tuson.....	" "
18- 1	Rowe.....	Hose 2.			

* In February Crosby will take 16 instead of 29, Dunbar 24 instead of 29, McLeod 25 instead of 30, and Young 26 instead of 30. In July B. C. Cann will take 6 instead of 4, and Parsons 14 instead of 4. In February, April, June, September and November Capt. Porter will take 1, and Capt. Smith 27.

The hour of leaving will be 7 o'clock A. M., and members will not leave their station until the arrival of the spare driver. They must report *promptly at 7 o'clock* the following morning for duty.

Those whose breakfast hour is 6 o'clock will remain at station until 7 o'clock on the dates of their "days off."

Should a fire be in progress at the hour of changes, men will remain on duty until the "all out" is given, except permission is obtained of the chief, or engineer in charge of fire, to retire. Should a "general" or third alarm be rung in while members are in town, they will be expected to report for duty.

Entering Building with Line of Hose.

All steamer and hose companies are instructed not to enter any building with a line of hose unless the stop nozzle is closed, except in cases where they can see the fire, and when their streams will reach it without damage to other property, due care being exercised as to whether their services are needed.

Extra care should be exercised by hosemen of steamer companies in using "shut-off" nozzles, shutting off to be slowly and gradually.

List of Fires and Alarms Responded to During 1903 with Loss and Insurance.

STILL. Saturday, January 3, 9.15 A. M. Chimney fire in four-story brick block, 23 Hanover street, owned by N. S. Clark, and occupied by S. B. Tarrant. Members of Chemical responded. No damage.

STILL. Tuesday, January 6, 12.15 P. M. Chimney fire in three-story wooden tenement block, 1239 Elm street, owned by heirs of A. D. Burgess, and occupied by Assad Baroody and others. Chemical Engine responded. Used one charge of pony. No damage.

BOX 213. Thursday, January 8, 9.41 A. M. Two-story flat-roofed dwelling, 374 Shasta street, owned by John Filteau and occupied by him. Cause, sparks from stove during absence of family. Box pulled by William P. Hall. Companies responding: Engines 3, 4, Chemical, Hose 2, 3, Truck 3. Value of building, \$1,500; damage to building, \$100; insurance on building, \$1,000; insurance paid, \$64. Value of contents, \$50; damage to contents, \$5; no insurance.

BOX 214. Friday, January 9, 11.33 A. M. A small 5 x 7 wood office, 604 Prescott street, owned and occupied by A. J. Blanchet. Cause, defective flue. Box pulled by citizen. Companies responding: Engines 1, 3, Chemical, Hose 2, 3, Truck 3. Damage slight.

STILL. Monday, January 12, 4.25 A. M. Chimney fire in wooden tenement block, 50 West street, owned by L. M. Pike, and occupied by several families. Members of Engine Company No. 2 responded. Used one charge of pony. No damage.

STILL. Tuesday, January 13, 12.32 P. M. Chimney fire in tenement house, 51 Jane street, owned by Jesse B. Pattee, and occupied by Fred Heath. Hose Company No. 2 and Chemical Engine responded. Used one tank. No damage.

BOX 45. Wednesday, January 14, 4.45 A. M. Four-story brick building, corner West Auburn and Canal streets, owned by Gordon Woodbury, and occupied by Edwin P. Cornish Machinery Co., and others. Fire originated in the business office of Mr. Cornish from some unknown cause. The automatic sprinklers impeded the progress of the fire so that it was soon extinguished after arrival of the department. Box pulled by Officer Parmenter. Companies responding: Engines 1,

2, 3, 4, Chemical, Hose 1, Trucks 1, 3. Value of building, \$40,000; damage to building, \$100; insurance on building, \$35,000; insurance paid, \$90. Value of contents, \$2,800; damage to contents, \$13; insurance on contents, \$2,500; insurance paid on contents, \$13.

STILL. Wednesday, January 14, 9.30 P. M. Chimney fire in two-tenement house, 4 Monmouth street, owned by Gilbert A. Sackett. Members of Engine and Ladder Company No. 6 responded. Used two charges of pony. No damage.

STILL. Sunday, January 18, 2.45 P. M. Chimney fire in tenement house, 233 Wilson street, occupied by W. Pauhus. Members of Engine and Ladder Company No. 3 responded. Used one charge of pony. No damage.

Box 82. Monday, January 19, 8.22 A. M. Three-story wooden block, 30 Bridge street, owned by Joseph W. Fellows, and occupied by Emilien Rouillard as second-hand furniture store, and several tenants. The fire originated in store of Rouillard caused by overturning of a kerosene stove. Box pulled by E. Rouillard. Companies responding: Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 3, 5. Value of building, \$6,000; damage to building, \$30; insurance on building, \$4,000; insurance paid on building, \$30. Value of contents, \$200; damage to contents, \$30; no insurance.

STILL. Monday, January 19, 9.10 P. M. Chimney fire in tenement block, 295 Pine street, owned by Nason Hall in tenement occupied by A. T. Roy. Members of Chemical Company responded. Used one charge of pony. No damage.

STILL. Monday, January 19, 9.13 P. M. Chimney fire in brick tenement block, 7 Canal street, owned by Amoskeag Manufacturing company, in tenement occupied by John V. Adams. Chemical Engine responded. No services required.

STILL. Tuesday, January 20, 11.30 A. M. Chimney fire at 415 Granite street in tenement house owned by Edward S. McDerby, and occupied by several families. Members of Engine Company No. 2 responded. Used one charge of pony. No damage.

STILL. Wednesday, January 21, 11.20 P. M. Chimney fire in tenement house, 243 Wilson street, owned by A. D. Guay, and occupied by A. Chandonnett. Members of Engine and Ladder Company No. 3 responded. Used 1 charge of pony. No damage.

STILL. Friday, January 23, 6.58 A. M. One-story "waiting station" on Hooksett road, Hooksett line, owned by Manchester Traction, Light & Power company. On telephone message Engine No. 5 responded with hose carriage. Cause, electric wires. Value of building, \$500; damage to building, \$500; no insurance. Value of contents, \$20; damage, \$20; Blanket insurance.

Box 24. Saturday, January 24, 4.16 P. M. Three-story dwelling house, 387 Belmont street, owned by F. X. LaFlamme, and occupied by him and E. P. Nichols and Henry E. Harris. The fire originated from some unknown cause on third floor occupied by H. E. Harris. Box

pulled by citizen. Companies responding: Engines 3, 4, Chemical, Hose 1, 2, Truck 3. Value of building, \$4,000; damage to building, \$900; insurance on building, \$3,000; insurance paid on building, \$900. No damage to contents.

Box 3. Sunday, January 25, 3.22 P. M. Wooden tenement block, 237 Elm street, owned by heirs of Dr. Thomas Wheat. Burning chimney. Box pulled by citizen. Companies responding: Engines 1, 3, Chemical, Hose 1, 3, Trucks 1, 3. No damage. Needless alarm.

STILL. Sunday, January 25, 3.28 P. M. Three-story brick building on Manchester street owned by the city of Manchester, and occupied by military companies as an armory. Cause, overheated furnace. Engine No. 4 responded.

Box 4. Monday, January 26, 7.03 A. M. Four-story wooden tenement block, 619-621 Elm street, owned by Lawrence M. Connor, and occupied by several families. Cause, thawing pipes. Box pulled by citizen. Companies responding: Engines 2, 3, 4, Chemical, Hose 1, 3, Trucks 1, 3. Value of building, \$25,000; damage to building, \$100; insurance on building, \$5,000; insurance paid on building, \$100. No damage to contents.

STILL. Tuesday, January 27, 1.30 P. M. Three-story wooden building, 434 Union street, owned by Rt. Rev. Bishop Bradley, and occupied by Sisters of Mercy as St. Martha's home. Cause, lamp explosion. Value of building, \$4,000; damage to building, \$56; insurance on building, \$4,000; insurance paid on building, \$56.

STILL. Wednesday, January 28, 8.55 P. M. One-story wooden building, 61 Hanover street, owned by Elliot hospital, and occupied by Samuel J. Laflamme. Cause, explosion of water-can. No services required.

STILL. Friday, January 30, 6.30 P. M. Three-story wooden block, 286 Pine street, owned by Thomas Corcoran, and occupied by several families. Cause, burning chimney. Members of Chemical Company responded. Used one charge of pony. No damage.

Box 25. Sunday, February 1, 2.24 P. M. Three-story wooden block, 524 Wilson street, owned by L. F. Winchester and occupied by Captain Carl F. Nelson. Cause, slight fire in bed result of smoking. Value of building, \$5,000; damage to building, \$63; insurance on building, \$3,000; insurance paid on building, \$63. Value of contents, \$500; damage to contents, \$80; insurance on contents, \$500; insurance paid on contents, \$80.

STILL. Monday, February 2, 8.03 A. M. Chimney fire at 18 Laurel street. Members of Engine Company No. 4 and Chemical Company responded. No services required.

STILL. Monday, February 2, 10.15 A. M. Chimney fire in brick dwelling-house, corner Bay and Salmon streets, owned and occupied by A. Quimby. Members of Engine and Ladder Company No. 5 responded. Used four charges of pony. No damage.

STILL. Tuesday, February 3, 6.40 P. M. Chimney fire in tenement house, 278 Auburn street, owned by Michael Sullivan, and occupied by Margaret McVicker. Members of Engine and Ladder Company No. 3 responded. Used one charge of pony. No damage.

STILL. Friday, February 6, 11.58 P. M. Chimney fire in wooden tenement block, 18 North Main street, owned by Frank P. Johnson, and occupied by several families. Members of Engine Company No. 2 responded. Used one charge of pony. No damage.

STILL. Saturday, February 14, 7.30 A. M. Chimney fire in two-and-one-half story tenement house, 21 Ash street, owned by Nason Hall and Clough, and occupied by B. R. Richardson and Dr. R. H. Dillon. Members of Hose Company No. 2 responded. Used two charges of pony.

Box 15. Sunday, February 15, 4.28 A. M. Wooden tenement house, 83 Orange street, owned by Henry Fisk, and occupied by Celestin Lefebvre and J. F. Hebert. Cause, overheated chimney igniting wood-work, causing slight damage. Box pulled by citizen. Companies responding: Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5. Value of building, \$3,000; damage to building, \$10; insurance on building, \$3,000; insurance paid on building, \$10. No damage to contents.

STILL. Sunday, February 15, 7.15 P. M. Three-story brick building, 999 Elm street, Music Hall block. Cause, sparks from boiler in basement setting fire to pile of planks near boiler. Members of Engine Company No. 4 responded.

STILL. Tuesday, February 17, 5.20 A. M. Wooden tenement block, 68 Nashua street, owned by Harvey Goodwin, and occupied by William Porter. Members of Hose Company No. 2 responded. No services required.

STILL. Tuesday, February 17, 6.05 P. M. Chimney fire in two-story wooden office, 196 Manchester street, owned and occupied by E. V. Turcotte in connection with stable. Chemical Engine responded. No services required.

Box 6. Thursday, February 19, 2.33 A. M. Four-story brick block, 957 Elm street, corner of Amherst, owned by Towne heirs, and occupied by G. A. R. as headquarters. Fire started in partition near radiator in the kitchen. Box pulled by Officer Shea. Companies responding: Engines 1, 4, Chemical, Hose 1, 2, Trucks 1, 3. Value of building, \$20,000; damage to building, \$1,928.16; insurance on building, \$20,000; insurance paid on building, \$1,928.16. Value of G. A. R. contents, \$3,100; damage to contents, \$789.34; insurance on contents, \$1,200; insurance paid on contents, \$789.34. A. T. Wathen: Value of contents, \$1,500; damage to contents, \$25; insurance on contents, \$850; insurance paid on contents, \$20. L. Gutterson: Value of contents, \$700; damage to contents, \$200; insurance on contents, \$500; insurance paid on contents, \$150. Drs. Brown: Value of contents, \$1,000; damage to contents, \$180; insurance on contents, \$180; insurance paid on contents, \$180.

STILL. Thursday, February 19, 8.55 P. M. Chimney fire in wooden tenement block, corner Main and Marion streets, owned by Sargent

heirs, and occupied by several families. Members of Engine and Ladder Company No. 6 responded. No services required.

STILL. Friday, February 20, 6.15 A. M. Chimney fire in tenement owned by estate of A. D. Burgess, and occupied by James O'Neil. Members of Chemical Company responded. Used one charge of pony.

Box 15. Saturday, February 21, 8.04 P. M. Two-story wooden tenement house, 28 Pearl street, owned by Higgins Bros., and occupied by several families. A smoking stove caused a needless alarm. Box pulled by citizen. Companies responding: Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5.

STILL. Sunday, February 22, 10.25 A. M. Three-story wooden tenement block, 463 Maple street, owned by Charles H. Smart, and occupied by Albert Leaf and others. Cause, burning out of chimney. Chemical Engine responded. Used one charge of pony and one tank of chemical.

Box 17. Sunday, February 22, 10.35 A. M. The foregoing fire thought to be beyond control of the Chemical Engine and bell alarm was given. Companies responding: Engines 1, 3, Hose 1, 2, Truck 3. Value of building, \$6,000; damage to building, \$25; insurance on building, \$1,000; insurance paid on building, \$25. No damage to contents.

Box 17. Monday, February 23, 4.06 P. M. Three-and-one-half-story wooden tenement block, 271 Lowell street, owned by William Moul, and occupied by C. H. Batchelder, Phillippe Voyer, and Norven Provencher. Cause, defective chimney. Box pulled by Officer Badger. Companies responding: Engines 1, 3, Chemical, Hose 1, 2, Truck 3. (Two hydrants frozen.) Value of building, \$4,000; damage to building, \$1,387.56; insurance on building, \$2,000; insurance paid on building, \$1,387.56. C. H. Batchelder: Value of contents, \$900; damage to contents, \$300; no insurance. P. Voyer: Value of contents, \$700; damage to contents, \$500; insurance on contents, \$500; insurance paid on contents, \$500. N. Provencher: Value of contents, \$1,500; damage to contents, \$1,000; insurance on contents, \$800; insurance paid on contents, \$800.

STILL. Monday, February 23, 8.40 P. M. Chimney fire in four-story brick block, Merchants Exchange, 841 Elm street. Members of Chemical Company responded. No services required.

STILL. Wednesday, February 25, 2.35 P. M. Three-story brick block, 41-42 Spring street, owned by Stark corporation, and occupied by Mrs. Georgianna Bourassa. Cause, slight bed-fire. Members of Chemical Company responded. No services required.

STILL. Wednesday, February 25, 8.30 P. M. Chimney fire in dwelling house, 89 Second street, owned and occupied by Henry Hanson. Members of Engine Company No. 2 responded. Used two charges of pony. No damage.

Box 54. Wednesday, February 25, 10.27 P. M. Large barn on South Main street, near Bedford line, $2\frac{1}{2}$ miles from city hall, owned by John K. McQuesten. Cause, incendiary. Box pulled by citizen. Companies responding: Engines 2, 6, Truck 6. Value of building, \$2,000; damage to building, \$2,000; insurance on building, \$1,000; insurance paid on

building, \$1,000. Value of contents, \$300; damage to contents, \$300; no insurance.

Box 4. Thursday, February 26, 1.15 P. M. Four-story wooden tenement block, 545 Elm street, owned by B. W. and W. C. Blodgett. The fire was in an old mattress in an unoccupied tenement on fourth floor, and it was thrown out the window before arrival of the department. Box pulled by citizen. Companies responding: Engines 1, 2, 3, Chemical, Hose 1, 3, Trucks 1, 3.

Box 82. Thursday, February 26, 5.15 P. M. Second alarm, 5.38 P. M. Four-story brick block, 1114-1156 Elm street, known as Upton block, owned by Manchester Savings bank, and occupied by Costello Bros. as shoe store in whose basement the fire started among goods stored by E. M. Chase Co., who occupied store in block, also N. J. Whalen Trunk store, and J. H. Somers as barber shop, while up stairs was occupied by City hotel and sundry persons. Box pulled by Michael Costello. Companies responding on first alarm: Engines 1, 4, 5, Chemical, Hose 1, Trucks 1, 5; on second alarm, Engines 3, 6, Trucks 3, 6. Upton: Value of building, \$100,000; damage to building, \$5,920.79; insurance on building, \$30,000; insurance paid on building, \$5,920.79. City hotel building: Value of building, \$40,000; damage to building, \$90; insurance on building, \$8,000; insurance paid on building, \$90. E. M. Chase Co.: Value of contents, \$10,000; damage to contents, \$3,600; insurance on contents, 6,500; insurance paid on contents, \$3,600. Whalen: Value of contents, \$4,500; damage to contents, \$2,500; insurance on contents, \$2,000; insurance paid on contents, \$1,850. Costello: Value of contents, \$1,000; damage to contents, \$2,000; insurance on contents, \$2,500; insurance paid on contents, \$1,933.64. Somers: Value of contents, \$1,500; damage to contents, \$175; insurance on contents, \$1,000; insurance paid on contents, \$100. Hurd: Value of contents, \$15,000; damage to contents, \$468.95; insurance on contents, \$10,000; insurance paid on contents, \$468.95.

STILL. Thursday, February 26, 10.30 P. M. Rekindling of embers of the previous fire. Chemical Engine responded. Used one charge of pony.

Box 8. Friday, February 27, 8.52 P. M. Four-story brick block, 1280 Elm street, owned by Simons, Connor, Kennedy, and others. The fire occurred on the third floor in a hallway occupied by E. H. Ware as a storage for patent medicine. Cause unknown. Box pulled by citizen. Companies responding: Engines 1, 4, 5, Chemical, Hose 1, 2. Trucks 1, 5. Extinguished by Chemical Engine. Damage, etc., given under date of March 15.

STILL. Sunday, March 1, 10.48 A. M. Chimney fire in dwelling house, 223 Jewett street, owned by Mrs. J. E. Cummings, and occupied by Bert T. Nevell. Members of Engine and Ladder No. 3 responded. Used one charge of pony.

Box 4. Monday, March 2, 10.41 P. M. Two-story wooden building, 53 Central street, owned by Cavanaugh Bros. and Flaherty, and occupied

by Abraham Miller as a pawn shop. Cause unknown. Box pulled by citizen. Companies responding: Engines 1, 2, 3, Chemical, Hose 1, 3, Trucks 1, 3. Value of building, \$20,000; damage to building, \$150; insurance on building, \$7,000; insurance paid on building, \$150. Value of contents, \$500; damage to contents, \$50; insurance on contents, \$450; insurance paid on contents, \$50.

Box 312. Tuesday, March 3, 9.53 A. M. Chimney fire in tenement house, 370 North Main street, owned by P. Flaherty, and occupied by O. Lemire and Alfred Bedard. Box pulled by Officer Lovejoy. Companies responding: Engines 2, 4, 6, Hose 1, Truck 6. No damage.

Box 5. Wednesday, March 4, 12.38 P. M. Three-story brick building, 732 Elm street, owned by Oliver B. Green, and occupied by R. B. Reynolds as lodging house. The fire originated in a bureau in one of the rooms from a smoker's pipe. Box pulled by citizen. Companies responding: Engines 1, 2, 3, Chemical, Hose 1, Trucks 1, 3. Value of building, \$8,000; damage to building, \$23; insurance on building, \$2,000; insurance paid on building, \$23. Value of contents, \$4,000; damage to contents, \$25; insurance on contents, \$400; insurance paid on contents, \$25.

STILL. Thursday, March 5, 5.30 P. M. Soot in old fireplace in tenement house, 192 Amherst street, owned by Towne estate, and occupied by Sheltere Sisters. Members of Chemical Company responded. Used one charge of pony.

Box 8. Thursday, March 5, 6.20 P. M. A barn in rear of Webster block, 1280-1286 Elm street, owned by Simons, Connor, Kennedy, and others, and occupied by Wallace & McCleary. Cause, unknown. Box pulled by citizen. Companies responding: Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5. Value of building, \$1,000; damage to building, \$30; insurance on building, \$500; insurance paid, \$30. No damage to contents.

Box 82. Saturday, March 7, 8.27 P. M. Four-story brick block, 1040 Elm street, owned by estate of Smyth & Williams. The fire occurred in Room 19 occupied by Anna Bellmore, and was caused by upsetting of kerosene lamp. Damage slight. Box pulled by citizen. Companies responding: Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5.

STILL. Tuesday, March 10, 1.05 P. M. Chimney fire in tenement house, 51 Jane street, owned by Jesse B. Pattee, and occupied by Fred Heath. Members of Hose Company No. 2 responded. Used one charge of pony.

Box 8. Thursday, March 12, 10.40 P. M. Four-story brick block, 1280 Elm street, owned by Simons, Connor, Kennedy, and others. For the third time within fourteen days fire has occurred in this (Webster) block from incendiary origin. Box pulled by Paradise boy, who lived on fourth floor, where fire was discovered. Companies responding: Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5.

STILL. Friday, March 13, 2.30 P. M. Grass fire on grounds of Union Chapel society, South Elm street, set by boys. Hose Company No. 3 responded. Used one charge of pony.

Box 214. Friday, March 13, 7.53 P. M. "Grand stand" on baseball grounds at Varick park. Cause, incendiary. Box pulled by Officer Farrell. Companies responding: Engines 3, 4, Chemical, Hose 2, 3, Truck. Value of structure, \$500; damage to structure, \$200; insurance on structure, \$200; insurance paid, \$200.

Box 26. Saturday, March 14, 9.50 A. M. Two-and-a-half-story dwelling-house, 648 Belmont street, owned by John P. Newell, and occupied by Frank Campbell. Cause, slight fire in couch in the attic from some cause unknown. Box pulled by citizen. Companies responding: Engines 1, 3, Chemical, Hose 1, 2, Truck 5.

STILL. Saturday, March 14, 1.43 P. M. Chimney fire at 36 Laurel street in tenement block owned by heirs of Dr. Thomas Wheat, and occupied by Mrs. Samuel Burke and others. Chemical Engine responded. No damage.

STILL. Saturday, March 14, 4.26 P. M. Brush fire at Derryfield park. Set by boys. Delegation from Central Station responded. No damage.

Box 8. Sunday, March 15, 5.27 A. M. Four-story brick block (Webster), 1280 Elm street, owned by Simons, Connor, Kennedy, and others, and occupied by Mrs. E. H. Ware and others. This fourth fire in same block started in partition in rear hall-way directly back of sink where match had been dropped into a hole in partition. Box pulled by Mr. Ware. Companies responding: Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5. Value of building, \$40,000; damage to building, \$80; insurance on building, \$20,000; insurance paid on building, \$80. Value of contents, \$1,000; damage to contents, \$75; no insurance.

Box 45. Sunday, March 15, 3.33 P. M. False alarm pulled by some malicious person. Companies responding: Engines 1, 2, 3, 4, Chemical, Hose 1, Trucks 1, 3.

STILL. Monday, March 16, 5.56 P. M. Chimney fire in four-story wooden tenement block, 174 McGregor street, owned by Robert Leggett. Used three charges of pony.

STILL. Monday, March 16, 7.02 P. M. Chimney fire in wooden tenement block, 30 Amory street, owned by Joseph Quirin, and occupied by several families. Members of Engine Company No. 2 with combination responded. Used one tank.

STILL. Tuesday, March 17, 1 A. M. Grass fire on land on North River road owned by George Hall. Members of Engine and Ladder Company No. 5 responded with hose carriage.

STILL. Tuesday, March 17, 9.40 A. M. Four-story brick block (Webster), 1280 Elm street (rear). Fire in partition on first floor. Damage \$15, fully insured. Hose Company No. 1 responded with carriage. Used one charge of pony.

STILL. Tuesday, March 17, 9.30 P. M. One-story wooden building (unoccupied), corner of Woodlawn avenue and Portsmouth railroad. Slight fire set by boys or tramps. Members of Engine and Ladder Company No. 3 responded with hose wagon. No services required.

STILL. Thursday, March 19, 1.10 P. M. Grass and brush fire on Coolidge avenue, owned by Amoskeag Manufacturing company. Members of Engine and Ladder Company No. 6 responded. No damage.

STILL. Thursday, March 19, 4.20 P. M. Grass fire on North River road on land owned by George Hall. Cause, sparks from Boston & Maine railroad locomotive. Members of Engine and Ladder Company No. 5 responded.

STILL. Thursday, March 19, 5.35 P. M. Chimney fire in two-story wooden block, 23 Amherst street, owned by B. E. Thompson of Deerfield. Members of Chemical Company responded. Used two charges of pony.

Box 212. Friday, March 20, 5.35 A. M. An ice house connected with buildings at 317 Massabesic street, owned by Milton C. Page, and unoccupied. Cause, unknown. Box pulled by citizen. Companies responding: Engines 3, 4, Chemical, Hose 2, Truck 3. Used two charges of pony. Value of building, \$400; damage to building, \$25; insurance on building, \$200; insurance paid on building, \$25.

STILL. Friday, March 20, 10.15 A. M. Grass fire on land owned by Amoskeag Manufacturing company on Coolidge avenue. Members of Engine and Ladder Company No. 6 responded. No damage.

Box 31. Saturday, March 21, 8.10 A. M. Tar kettle boiled over in yard of American Locomotive company on Canal street. Extinguished before arrival of department. Box pulled by citizen. Companies responding: Engines 4, 6, Chemical, Hose 1, Trucks 1, 3, 5.

Box 81. Saturday, March 21, 8.17 P. M. Two-and-a-half-story dwelling house, 104 Concord street, owned by John Foster, and occupied by Mrs. Adeline Plouffe as a boarding house. There is no doubt that it was of incendiary origin as there were three distinct fires, one in the kitchen on first floor, and two in attics on third floor with no chance for communication between them. Box pulled by citizen. Companies responding: Engines 1, 4, Chemical, Hose 1, Truck 1. Value of building, \$2,700; damage to building, \$257.25; insurance on building, \$1,800; insurance paid on building, \$257.25. Value of contents, \$600; damage to contents, \$261; insurance on contents, \$600; insurance paid on contents, \$261.

STILL. Monday, March 23, 4.45 P. M. Chimney fire in dwelling house, 44 Concord street, owned and occupied by Mrs. Mary Mahaney. Members of Chemical Company responded. No services required.

STILL. Wednesday, March 25, 1.20 P. M. Chimney fire in four-story brick block, 64 Merrimack street, owned by estate of John C. Young, and occupied by several families. Used two charges of pony.

STILL. Wednesday, March 25, 10.50 P. M. Chimney fire in brick house, 3 Water street, owned by Amoskeag Manufacturing company, and occupied by the Derryfield club. Chemical Engine responded. No services required.

Box 216. Friday, March 27, 1.28 P. M. Cottage house, 347 Young road, owned and occupied by Hannah Doherty. Cause, sparks from a bon-

fire set by boys. Damage slight and extinguished with pony. Box pulled by citizen. Companies responding: Engines 3, 4, Chemical, Hose 2, Truck 3. Value of building, \$700; damage to building, \$50; insurance on building, \$700; insurance paid on building, \$50. Value of contents, \$100; damage to contents, \$5; insurance on contents, \$100; insurance paid on contents, \$5.

Box 52. Saturday, March 28, 7.13 P. M. Four-story wooden hotel, 17 South Main street, owned by Michael J. Connor, and occupied by A. A. Lamprey. Cause, breaking of kerosene lamp. Box pulled by Officer Archaibeault. Companies responding: Engines 2, 6, Hose 1, Truck 6. Value of building, \$7,000; damage to building, \$180; insurance on building, \$3,000; insurance paid on building, \$180. Value of contents (room), \$10; damage to contents, \$10; no insurance.

Box 217. Saturday, March 28, 8.58 P. M. Cottage house, 5 Longwood avenue, owned by Mrs. Effie Webster, and occupied by Mrs. Laura Danforth. Cause, defective chimney. Box pulled by citizen. Companies responding: Engines 1, 3, Chemical, Hose 2, Truck 3. Value of building, \$800; damage to building, \$500; insurance on building, \$600; insurance paid on building, \$500. Value of contents, \$600; damage to contents, \$371; insurance on contents, \$500; insurance paid on contents, \$371.

STILL. Monday, March 30, 12 M. Cottage house, 948 Union street, owned and occupied by P. F. Grenier. Cause, defective chimney. Members of Engine and Ladder Company No. 5 responded.

Box 54. Thursday, April 2, 1.05 A. M. Cottage house near Bedford line, corner Oneida and Salem streets, owned and occupied by Mary Connelly. Cause unknown. Box pulled by Officer Nixon. Companies responding, Engines 2, 6, Truck 6. Value of building, \$400; damage to building, \$400; insurance on building, \$400; insurance paid on building, \$400. Value of contents, \$100; damage to contents, \$100; no insurance.

STILL. Friday, April 3, 9.05 A. M. Chimney fire in wooden tenement block, 339 Granite street, owned by Gordon Woodbury, and occupied by several families. Members of Engine Company No. 2 responded. Used one charge of pony.

Box 51. Friday, April 3, 6.46 P. M. Chimney fire in dwelling, 118 Walker street, owned by Mrs. Mary Chadwick, and occupied by L. Chartrand and Fred Roberts. Box pulled by citizen. Companies responding: Engines 2, 6, Truck 6. No damage. Used two charges of pony.

STILL. Saturday, April 4, 3.40 P. M. Chimney smoking in tenement block, 502 Chestnut street, owned by Reynolds & Newell, and occupied by Thomas F. Dowling. Members of Chemical Company responded. No services required.

STILL. Sunday, April 5, 11.05 A. M. Chimney fire, 134 School street, in building owned by George S. Eastman, and occupied by A. C. Pfefforkorn as drug store. Members of Engine Company No. 2 responded with combination. Used one charge of pony.

STILL. Sunday, April 5, 11.15 A. M. Chimney fire at 707 Union street, owned by A. W. Davis, and occupied by Arthur Brooks. Chemical Engine responded.

STILL. Monday, April 6, 6.30 P. M. Two-story dwelling house, 70 Concord street, owned by heirs of Bridget Kelly, and occupied by Everett Rivard and others. Fire originated in closet in ell part up stairs. Cause unknown. Chemical Engine responded. Used one tank. Value of building, \$2,500; damage to building, \$26.67; insurance on building, \$2,000; insurance paid on building, \$26.67. No damage to contents.

Box 15. Tuesday, April 7, 9.11 P. M. Two-and-a-half-story dwelling house, 106 Bridge street, owned by Mrs. Scollard, and occupied by Samuel Noel and others. Cause, kerosene stove overturned. No damage. Box pulled by citizen. Companies responding: Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5.

STILL. Wednesday, April 8, 11.30 A. M. Chimney fire in three-story wooden tenement block, 9 Laurel street, in tenement occupied by A. D. Folsom. Members of Chemical Company responded. Used one charge of pony.

STILL. Friday, April 10, 6.20 P. M. Chimney fire in wooden tenement block, 21 Cedar street, owned by heirs of W. C. Blodgett, and occupied by John Fournier and others. Chemical Engine responded. Used one charge of pony.

2-2-2. Sunday, April 12, 11.55 A. M. Grass and brush fire on Bald Hill road. Delegation from department on duty three and one-half hours.

STILL. Monday, April 13, 9.15 A. M. Chimney fire in wooden tenement block, 52 Douglas street, owned by Manchester Mills, and occupied by Peter Dugan and others. Members of Engine Company No. 2 responded. Used one charge of pony.

Box 323. Monday, April 13, 7.32 P. M. The city dump on Putnam street. Needless alarm. Box pulled by citizen. Companies responding: Engines 2, 6, Hose 1, Truck 6.

Box 241. Tuesday, April 14, 7 A. M. Dwelling house, 71 Canton street, owned by E. J. Wilcomb, and occupied by U. G. Trott. Fire in a bed, caused by a child playing with matches. Box pulled by citizen. Companies responding: Engines 3, Chemical, Hose 2, Truck 3. Value of building, \$1,500; damage to building, \$10; insurance on building, \$1,200; insurance paid on building, \$9.13. Value of contents, \$600; damage to contents, \$25; insurance on contents, \$500; insurance paid on contents, \$25.

Box 217. Tuesday, April 14, 3.35 P. M. One-story wooden building (unoccupied), corner Oakland avenue and Portsmouth railroad. Cause, boys. No damage. Box pulled by citizen. Companies responding: Engines 3, 4, Chemical, Hose 2, Truck 3.

STILL. Tuesday, April 14, 11.05 P. M. Chimney fire, 318 North Main street, owned by Nelson Duval, and occupied by James Duval. Members of Engine Company No. 2 responded. Used one charge of pony.

Box 711. Tuesday, April 14, 11.23 P. M. False alarm. Companies responding: Engines 3, 4, Chemical, Hose 3, Truck 3.

STILL. Thursday, April 16, 12.40 P. M. Chimney fire in four-story brick block, 7 Myrtle street, owned by Hoyt & James heirs. Members of Chemical responded. Used three charges of pony.

STILL. Thursday, April 16, 12.40 P. M. Chimney fire in wooden tenement house, 183 Lake avenue, owned by Mrs. Thomas Clark, and occupied by William McJury. Members of Engine and Ladder Company No. 3 responded. Used two charges of pony.

STILL. Friday, April 17, 4 A. M. Chimney fire in tenement house, 58 Bridge street, owned by Harry T. Lord, and occupied by Charles McCarthy and others. Members of Chemical Company responded. Used one charge of pony.

STILL. Friday, April 17, 11.50 A. M. Wooden tenement block, 18 North Main street, owned by Frank P. Johnson, and occupied by several families. Cause, burning chimney. Members of Engine Company No. 2 responded. Used two charges of pony.

Box 113. Monday, April 20, 8.33 P. M. False alarm. Companies responding: Engines 4, 5, Chemical, Hose 2, Truck 5.

STILL. Wednesday, April 22, 1.20 P. M. Brush fire on Boynton street, on land owned by Kennard heirs. Members of Engine Company No. 2 responded. On duty two hours.

STILL. Friday, April 24, 11.10 A. M. Tenement house, 267 Lowell street, owned by Jonathan Moul, and occupied by Levi M. Green. Cause, hot ashes in fibre pail. Damage slight. Members of Hose Company No. 2 responded. Used one charge of pony.

STILL. Saturday, April 25, 10.15 A. M. Chimney fire in cottage house, 350 Chestnut street, owned and occupied by Mrs. Catherine Edwards. Members of Chemical Company responded. Used one charge of pony.

STILL. Saturday, April 25, 11.00 A. M. Brush fire on Boynton street, on land owned by Kennard heirs. Members of Engine Company No. 2 responded. On duty one hour.

STILL. Saturday, April 25, 12.15 P. M. Chimney fire in two-story wooden block, 5 Laurel street, owned by S. D. Green heirs. Chemical Engine responded. Used one charge of pony. No damage.

STILL. Tuesday, April 28, 10.30 A. M. Brush fire on Boynton street, near Bedford line, on land owned by Walter M. Parker, also by Gordon Woodbury. Members of Engine Company No. 2 responded with combination. Used two charges of pony.

STILL. (2—2—2 on tappers.) Tuesday, April 28, 10.20 P. M. Brush fire west of Straw road on land owned by Maxwell estate. Delegation from department responded. On duty five hours.

2—2—2. Wednesday, April 29, 5.27 A. M. Rekindling of last night's brush fire west of Straw road. Delegation from department responded. On duty five and one-half hours.

STILL. Wednesday, April 29, 5.23 P. M. Brush fire in the "Rowell

woods," North River road, above State Industrial school. Caused by sparks from Boston & Maine railroad locomotive.

Box 6. Wednesday, April 29, 9.46 P. M. Three-story granite building, City Hall, corner Elm and Market streets, owned and occupied by city of Manchester. Fire started in janitor's room in the basement, and spread rapidly to city clerk's office on first floor. Cause unknown. Box pulled by Officer Shea. Companies responding: Engines 1, 4, Chemical, Hose 1, 2, Trucks 1, 3. Value of building, \$20,000; damage to building, \$1,225; insurance on building, \$10,500; insurance paid on building, \$1,225. Value of contents, \$15,000; damage to contents, \$612.53; insurance on contents, \$4,000; insurance paid on contents, \$612.53.

STILL. Friday, May 1, 6.10 A. M. Chimney fire in tenement house, 45 Church street, owned by John Cashman, and occupied by Mrs. Charon. Chemical Engine responded.

STILL. Friday, May 1, 11.19 A. M. Three-and-half-story wooden tenement block, 64 Concord street, owned by S. W. Parsons' heirs, and occupied by several families. Slight fire in rear tenement caused by "a drunk." Chemical Engine responded.

STILL. Friday, May 1, 7.30 P. M. Chimney fire in two-and-half-story tenement block, 133 Manchester street, owned by Mrs. H. C. Joy, and occupied by J. Lamarre. Chemical Engine responded. Services not required.

STILL. Saturday, May 2, 11.30 A. M. Brush fire on Mast road on land owned by George S. Eastman, very near residence of George R. Jackson. Members of Engine Company No. 2 responded with hose wagon.

Box 3. Saturday, May 2, 5.03 P. M. Brick foundry on Elm street, corner Valley, owned and occupied by the American Locomotive company. Cause, sparks from furnace. Box pulled by citizen. Companies responding: Engines 3, 4, Chemical, Hose 1, 3, Trucks 1, 3. Value of building, \$8,000; damage to building, \$1,836; insurance on building, "Blanket"; insurance paid on building, \$1,836. No damage to contents.

STILL. Tuesday, May 5, 12.20 P. M. Chimney fire in dwelling house, 319 Lake avenue, owned by George Nilson, and occupied by Herman Sleeper. Members of Engine and Ladder Company No. 3 responded. No damage.

STILL. Saturday, May 9, 7.40 P. M. Chimney fire in tenement house, 182 Beauport street, owned by James Pritchard, and occupied by him and two other families. Members of Engine 2 and 6 responded with hose wagons. Used four charges of pony.

Box 214. Monday, May 11, 8.25 P. M. One story wooden storehouse at junction of Wilson street and Portsmouth railroad, owned by Mrs. C. E. Wason, and John S. Lovering, and occupied by Assistant Engineer Clarence R. Merrill as storehouse for hay and grain. Cause, incendiary. Box pulled by Officer Welch. Companies responding: Engines 1, 3, Chemical, Hose 2, 3, Truck 3. Value of building, \$300; damage to building, \$150; insurance on building, \$150; insurance paid on

building, \$150. Value of contents, \$600; damage to contents, \$200; insurance on contents, \$600; insurance paid on contents, \$200.

STILL. Tuesday, May 12, 2.20 A. M. Some baled hay rekindled from last evening's fire. Members of Engine and Ladder Company No. 3 responded with hose wagon.

STILL. Tuesday, May 12, 1.15 P. M. Brush fire on Hevey street on land owned by Amoskeag Manufacturing company. Members of Engine and Ladder Company No. 6 responded. Used one charge of pony and laid 400 feet of hose from hydrant.

STILL. Tuesday, May 12, 5.15 P. M. Brush fire on Trenton street on land owned by Mrs. A. H. Stark. Members of Engine and Ladder Company No. 5 responded. Used one charge of pony, and laid 500 feet of hose from hydrant.

Box 213. Tuesday, May 12, 9.50 P. M. Tenement house, 60 Plummer street, owned by William Hedderman, and occupied by Napoleon Jemery. Cause, lamp explosion. No services required. Box pulled by citizen. Companies responding: Engines 3, 4, Chemical, Hose 2, 3, Truck 3.

STILL. Thursday, May 14, 6.15 P. M. Dwelling house, 211 Jewett street, owned and occupied by Robert Fisher. Cause, soot in chimney. Members of Engine and Ladder Company No. 3 responded. Used three charges of pony.

STILL. Thursday, May 14, 8.15 P. M. The Massabesic house, a hotel at Lake Massabesic, four miles from city, owned by estate of Charles Williams, and unoccupied. Word received by telephone. Steamer 3 responded with hose carriage. Laid 1,900 feet hose (2 streams) from the lake. Value of building, \$2,500; damage to building, \$2,500; no insurance. Value of contents, \$500; damage to contents, \$300; no insurance.

Box 31. Friday, May 15, 8.44 P. M. Wooden tenement block, 2 Kidder street, owned by Amoskeag Manufacturing company, and occupied by David J. Mahoney. Cause, tipping over lamp in room occupied by Mary Pereell. Damage slight. Extinguished by Mahoney before arrival of department. Box pulled by citizen. Companies responding: Engines 1, 6, Chemical, Hose 1, Trucks 1, 5.

Box 62. Saturday, May 16, 5.03 P. M. False alarm pulled by nine-year-old Michael Sheehan. Companies responding: Engines 3, 4, Chemical, Hose 1, 3, Truck 3.

STILL. Sunday, May 17, 7.30 A. M. Chimney fire in cottage house, 74 Auburn street, owned and occupied by John Downing. Chemical Engine responded. Used one tank.

STILL. Monday, May 18, 9.30 A. M. Grass fire in field on North Main street, owned by Manchester Mills. Members of Engine Company No. 2 responded. Used one charge of pony.

2-2-2. Monday, May 18, 2.10 P. M. Brush fire on Mammoth road at junction of Smyth road. Delegation from department responded. On duty two and one-half hours.

STILL. Monday, May 18, 3.19 P. M. Chimney fire in wooden tenement house, 123 Amherst street, owned by Harry Eaton, and occupied by E. F. Miller. Members of Chemical Company responded. Used one charge of pony. No damage.

STILL. Wednesday, May 20, 2.10 P. M. Chimney fire in two-story wooden tenement house, 67 Orange street, owned by H. X. Bond, and occupied by Patrick Herlihy. No damage. Members of Chemical Company responded.

STILL. Thursday, May 21, 8.45 A. M. Two-story brick block, The Kennard, 1008 Elm street, owned by John, Rebecca, and S. C. Kennard, and occupied by sundry persons. The fire originated in a waste-paper basket in the offices occupied by Brown, Jones & Warren, from cause unknown. Extinguished by occupants of the block before arrival of Hose No. 1, which responded. Value of building, \$55,000; damage to building, \$50; insurance on building, \$50,600; insurance paid, \$50. Value of Brown, Jones & Warren's contents, \$75; damage to contents, \$25; no insurance.

Box 45. Friday, May 22, 10.55 A. M. Four-story brick building, 104 Franklin street, owned by Gordon Woodbury, and occupied by several parties. The fire originated among some loose paper in window of A. H. Jenkins' laundry, and was extinguished before arrival of department. No damage. Box pulled by Mr. Jenkins. Companies responding, Engines 1, 2, 3, 4, Chemical, Hose 1, Trucks 1, 3.

2—2—2. Sunday, May 24, 11.10 A. M. Brush fire on land owned by city of Manchester (water works), about $4\frac{1}{2}$ miles from city hall, near the Auburn line, at Mill Dam house. Delegation from department responded. On duty about three hours.

STILL. Sunday, May 24, 5.12 P. M. Slaughter house dump, near foot of Hancock street, on land owned and occupied by Manchester Slaughtering and Rendering Company. Hose Company No. 3 responded. Laid 450 feet of hose from hydrant.

STILL. Monday, May 25, 3.10 P. M. Brush fire on land owned by Amoskeag Manufacturing company on Oak Hill, north of Derryfield park. Delegation of fifteen men responded. On duty two and one-half hours.

2—2—2. Monday, May 25, 8.12 P. M. Rekindling of Oak Hill fire. Delegation of 30 men from the department responded. On duty one and one-half hours.

STILL. Tuesday, May 26, 2.10 P. M. Brush fire on land owned by Amoskeag Manufacturing company on Kelley and Montgomery streets. Set by boys. Members of Engine and Ladder Company No. 6 responded. No damage.

STILL. Tuesday, May 26, 3.20 P. M. Brush fire on Oak Hill in Derryfield park and land owned by Amoskeag Manufacturing company. Delegation from department responded. On duty three hours.

2—2—2. Tuesday, May 26, 3.41 P. M. Large conflagration at Lakeport. Sent Steamer No. 1 with hose carriage, horses and men to Con-

cord in charge of Assistant Engineer Merrill to "cover in" for their two steamers sent. Returned about midnight.

STILL. Tuesday, May 26, 6.56 P. M. Chimney fire in dwelling at 547 Union street, owned by J. H. Mendell. Chemical Engine responded. No services required.

STILL. Wednesday, May 27, 5.40 A. M. Chimney fire in wooden tenement house, 4 Monmouth street, owned by Gilbert A. Sackett, and occupied by Edward Martin. Used three charges of pony. No damage.

STILL. Friday, May 29, 12.50 P. M. Two-story wooden tenement house, 27 Adams street, West Side, owned by John J. Cronin, and occupied by J. A. Gammell and W. T. Lockhead. Cause, smoking pipe igniting lounge, doing slight damage. Members of Engine Company No. 2 responded with combination wagon. Extinguished before their arrival.

STILL. Friday, May 29, 9.10 P. M. Chimney fire in tenement house, 282 Cartier street, owned by John Ricker. Members of Engine and Ladder No. 6 responded. Used two charges of pony. No damage.

Box 4. Wednesday, June 3, 8.21 A. M. Burning kerosene in middle of Spruce street in front of No. 43 and 44. Needless alarm pulled by boys. Companies responding: Engines 1, 2, 3, Chemical, Hose 1, 3, Trucks 1, 3.

Box 214. Wednesday, June 3, 1.11 P. M. Grass fire on land owned by Amoskeag Manufacturing company, south of Valley and west of Wilson streets. No damage. Needless alarm as hose wagon of Engine and Ladder Company No. 3 were on way to fire when the alarm was pulled. Companies responding: Engines 3, 4, Chemical, Hose 2, 3, Truck 3.

Box 73. Wednesday, June 3, 3.27 P. M. Tenement house, 319 Auburn street, owned by John F. Ryan and occupied by Cornelius J. Horan. Cause, children playing with matches set fire to waste paper. No damage. Box pulled by citizen. Companies responding: Engines 1, 3, 4, Chemical, Hose 1, 3, Trucks 1, 3.

NOTE. When three blows were struck on bells, the mainspring of this box broke, causing indicators to show Box 3 and companies responded accordingly.

Box 3. Thursday, June 4, 2.23 A. M. Broom-corn rubbish in county jail yard, corner Valley and Willow streets. Box pulled by citizen. Companies responding: Engines 3, 4, Chemical, Hose 1, 3, Trucks 1, 3.

STILL. Thursday, June 4, 2.30 P. M. Tenement house, No. 414 Lake avenue, owned by Frank Morrison, and occupied by George Hill. Cause, rats and matches in rubbish in back attic. Damage slight. Members of Engine and Ladder Company No. 3 responded. Used one charge of pony.

Box 7. Saturday, June 6, 12.38 P. M. Two-and-half-story wooden dwelling, corner Hanover and Chestnut street (108 Hanover, 408 Chestnut street), owned by the Elliot Hospital, leased by J. R. Laflamme, and occupied by Mrs. Mary Connelly as boarding house. Cause un-

known. Fire originated in attic of ell and quickly spread to roof of main building. Box pulled by Sergeant J. T. O'Dowd. Companies responding: Engines 1, 3, Chemical, Hose 1, Trucks 1, 3. Value of building, \$3,800; damage to building, \$488.25; insurance on building, \$3,800; insurance paid on building, \$488.25. Value of contents, \$600; damage to contents, \$85; insurance on contents, \$600; insurance paid on contents, \$85.

Box 513. Monday, June 8, 3.12 A. M. Two-story dwelling, 106 Bismarck street, owned and occupied by Carl Waltch. Fire originated in rear part of the ell. Cause unknown, but presumably spontaneous combustion of oily waste. Box pulled by Waltch. Companies responding: Engines 2, 6, Truck 6. Value of building, \$1,800; damage to building, \$700; insurance on building, \$1,400; insurance paid on building, \$700. Value of contents, \$500; damage to contents, \$300; no insurance.

Box 4. Wednesday, June 10, 3.01 P. M. A small pile of oakum in plumber's shop of Connor Bros., 49 Central, caught fire from careless use of matches. Needless alarm pulled while Chemical Engine was en route to fire. Extinguished before their arrival. Companies responding: Engines 1, 2, 3, Chemical, Hose 1, 3, Trucks 1, 3.

STILL. Wednesday, June 10, 11 P. M. Four-story brick block, 296 Pine street, owned by E. W. Bartlett heirs, and occupied by Kate Houghton and others. Slight fire at end of sink. Cause unknown. Chemical Engine responded. Extinguished before its arrival.

STILL. Wednesday, June 17, 7.55 A. M. Dwelling house, 396 E. Spruce street, owned by L. W. Page, and occupied by Mrs. Charles E. Palmer. Cause, leak in oil stove. No damage. Members of Engine and Ladder Company No. 3 responded.

STILL. Thursday, June 18, 6.10 P. M. Chimney fire in tenement house, rear 60 Merrimack street, leased by F. X. Chenette, and occupied by John Houx. No damage. Members of Chemical Engine Company responded.

STILL. Sunday, June 28, 10.05 P. M. Chimney fire in tenement house, 731 Valley street, owned by Mrs. Holland, and occupied by C. W. Tinker. Members of Engine and Ladder Company No. 3 responded. Used two charges of pony.

Box 4. Monday, June 29, 1.06 A. M. Four-story brick block, 633 Elm street, owned by Daniel Connor heirs, and occupied as tenements and stores. The fire originated in Room 13, on third floor, occupied by A. Y. Greenleaf. Cause unknown. Box pulled by Greenleaf. Companies responding: Engines 1, 2, 3, Chemical, Hose 1, 3, Trucks 1, 3. Extinguished by Chemical Engine. Value of building, \$5,000; damage to building, \$110; insurance on building, \$5,000; insurance paid on building, \$110. Value of contents, \$200; damage to contents, \$75; no insurance.

Box 215. Wednesday, July 1, 8.38 P. M. Small barn in Lincoln street, at junction of Portsmouth railroad, owned by Freeman Higgins, and occupied by Mrs. Annie Dalton as storehouse for paper box stock.

Cause, incendiary. Box pulled by citizen. Companies responding: Engines 3, 4, Chemical, Hose 2, 3, Truck 3. Value of building, \$200; damage to building, \$200; insurance on building, \$100; insurance paid, \$100. Value of contents, \$511.50; damage to contents, \$388.49; insurance on contents, \$500; insurance paid on contents, \$388.49.

STILL. Thursday, July 2, 9.45 A. M. Chimney fire in tenement house, 184 Wentworth street, owned by Joseph Vazel, and occupied by three families. Members of Engine Company No. 2 responded. Used one charge of pony.

Box 312. Thursday, July 2, 11.55 A. M. Chimney fire in four-story wooden tenement block, 445 North Main street, owned by Frank C. Livingston, and occupied by several families. Box pulled by citizen. Companies responding: Engines 1, 2, 6, Hose 1, Truck 6. No damage.

Box 7. Saturday, July 4, 11.47 A. M. Wooden tenement house in rear of 125 Hanover street, owned by G. F. Boshier. Cause, candles ignited drapery around a casket. No damage. Box pulled by citizen. Companies responding: Engine 1, 3, Chemical, Hose 1, Trucks 1, 3.

STILL. Saturday, July 4, 6 P. M. Awning at 360 Dubuque street, owned and occupied by Edmond Desrochers. Members of Engine and Ladder Company No. 6 responded. Extinguished with garden hose.

Box 4. Saturday, July 4, 9.28 P. M. Four-tenement block, 46 Lake avenue, owned by A. E. Cutts, and occupied by Mrs. — McCoy and others. Cause, bunch of rags in kitchen caught from lighted match. No damage. Box pulled by citizen. Companies responding: Engines 1, 2, 3, Chemical, Hose 1, 3, Trucks, 1, 3.

Box 711. Saturday, July 4, 9.56 P. M. Two-and-half-story dwelling, 280 Grove street, owned and occupied by Thomas Mahoney. Cause, defective chimney in basement where fire was confined. Box pulled by Mahoney. Companies responding: Engines 3, 4, Chemical, Hose 2, 3, Trucks 3, 5. Value of building, \$3,500; damage to building, \$217.50; insurance on building, \$2,500; insurance paid on building, \$217.50. No damage to contents.

STILL. Saturday, July 4, 11 P. M. Slight fire discovered in door-casing of Mahoney's house from foregoing fire. Chemical Engine responded. Extinguished with a dipper of water before their arrival.

STILL. Sunday, July 5, 2.45 P. M. City dump on Putnam street, West Side. Responded to by members of Engine and Ladder Company No. 6 with hose carriage. Laid 750 feet hose from hydrant. On duty four hours.

STILL. Tuesday, July 7, 1.15 P. M. City dump on Putnam street, West Side. Members of Engine and Ladder Company No. 6 responded with hose carriage.

STILL. Wednesday, July 8, 10.30 A. M. City dump on Putnam street, West Side. Members of Engine and Ladder Company No. 6 responded. Laid 500 feet hose from hydrant.

Box 82. Thursday, July 9, 1.38 A. M. One-story blacksmith shop, 79 Lowell street, owned by John Kennard and occupied by John F.

Woodbury. Cause, the forge. Damage slight. Extinguished by Chemical Engine. Box pulled by John Healy. Companies responding: Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5.

Box 72. Friday, July 10, 6.56 A. M. Two-story woodshed in rear 232 East Spruce street, owned by heirs of W. L. Sargent, and occupied by Joseph Perrault, Cartier Dehuegoley, Joseph Breuellette, and Adeland Paquin. Cause unknown. Box pulled by citizen. Companies responding: Engines 3, 4, Chemical, Hose 1, Truck 4. Value of building, \$400; damage to building, \$150; insurance on building, \$118; insurance paid on building, \$118. No damage to contents.

STILL. Thursday, July 16, 11.30 A. M. Two-story wooden farm building, owned by city of Manchester, and used as house of correction. Upon receipt of telephone message sent Engine 1 and Hose 1.

Box 27. Thursday, July 16, 11.34 A. M. While Engine 1 and Hose 1 were on way to city farm this box was pulled for same fire. Cause, rats and matches. Companies responding: Engines 3, 4, Chemical, Hose 2, Truck 5. Value of buildings, \$8,000; damage to buildings, \$279.30; insurance on buildings, \$8,000; insurance paid on buildings, \$279.30. Value of contents, \$6,000; damage to contents, \$15; insurance on contents, \$6,000; insurance paid on contents, \$15.

Box 313. Friday, July 17, 1.01 P. M. Chimney fire in shed in rear of 22-24 Amory street owned by Nason Hall. Cause, children playing with matches. No damage. Extinguished before arrival of department. Box pulled by citizen. Companies responding: Engines 2, 4, 6, Hose 1, Truck 6.

STILL. Monday, July 20, 5.30 P. M. Chimney fire in wooden tenement building, 11 Orange street, owned by estate of David H. Young. Members of Chemical Company responded. Services not required.

Box 26. Tuesday, July 21, 8.34 P. M. Cottage house, 10 Russell street, owned and occupied by B. S. Levine. Slight fire in front room down stairs. Cause unknown. Box pulled by citizen. Companies responding: Engines 3, 4, Chemical, Hose 1, 2, Truck 1, 5. Value of building, \$2,800; damage to building, \$10.90; insurance on building, \$1,500; insurance paid on building, \$10.90. Value of contents, \$600; damage to contents, \$65; insurance on contents, \$500; insurance paid on contents, \$65.

Box 25. Friday, July 24, 3.27 P. M. Cottage house, 451 Manchester street, owned by Rebecca Plummer, and occupied by J. E. Zerbe. Slight fire on roof of piazza. Extinguished by electric light men who were near by before arrival of department. Companies responding: Engines 1, 3, Chemical, Hose 1, 2, Truck 3.

Box 5. Monday, July 27, 7.15 P. M. Four-story brick block, 740 Elm street, corner Pleasant, owned by Clough, Simons & Simons, and occupied in corner store by William W. Partridge as clothing store. The fire originated in rear part of the store in closet. Box pulled by Alfred St. Cyr. Companies responding: Engines 2, 3, 4, Chemical, Hose 1, Trucks 1, 3. Extinguished by Chemical Engine. Value of building,

\$18,000; damage to building, \$251; insurance on building, \$9,000; insurance paid on building, \$251. Value of contents, \$3,000; damage to contents, \$500; insurance on contents, \$9,800; insurance not settled.

STILL. Monday, July 27, 8.57 P. M. Rekindling of previous fire in sawdust packing of water pipe. Chemical Engine responded. Used one charge of pony.

STILL. Thursday, August 6, 4.30 P. M. A barn in rear of 125 Orange street, owned and occupied by E. J. Derosiers. Cause, slight fire in waste barrel. Members of Chemical Company responded. No services required.

Box 26. Wednesday, August 12, 10.53 A. M. Three-story wooden block, 252 Bridge street, owned by Timothy Shea, and occupied by T. J. Ladriere and others. A kerosene oil stove caught fire and George Ladriere, in attempting to throw it out of doors, was slightly burned about the hands and arms. Box pulled by citizen. Companies responding: Engines 3, 4, Chemical, Hose 1, 2, Truck 5. Value of building, \$4,000; damage to building, \$126.09; insurance on building, \$800; insurance paid on building, \$126.09. Value of contents, \$1,200; damage to contents, \$59.30; insurance on contents, \$1,000; insurance paid on contents, \$59.30.

Box 26. Saturday, August 15, 5.39 P. M. Three-story wooden tenement block, 271 Lowell street, owned by William Moul of Martin's Ferry, and occupied by P. J. Ross, first floor; Philippe Voyer, on second floor, and Norven Provencher, third floor. Cause, defective chimney. Box pulled by citizen. Companies responding: Engines 1, 3, Chemical, Hose 1, 2, Truck 5. Value of building, \$4,000; damage to building, \$239.56; insurance on building, \$2,000; insurance paid on building, \$239.56. Rose: Value of contents, \$500; damage to contents, \$50; no insurance. Voyer: Value of contents, \$800; damage to contents, \$175; insurance on contents, \$800; insurance paid on contents, \$175. Provencher: Value of contents, \$1,500; damage to contents, \$175; insurance on contents, \$1,000; insurance paid on contents, \$175.

2—2—2. Tuesday, August 18, 2.05 A. M. Received telephone message from Epping, N. H., asking for assistance. Engine 4 with hose wagon, horses, and delegation from department went down on special train. On their arrival fire was under control so apparatus was not unloaded.

STILL. Thursday, August 20, 2.05 A. M. "Box" freight car No. 46167 of the Boston & Maine railroad in the railroad yard loaded with charcoal consigned to E. W. Poore. Hose Company No. 3 responded. Laid 200 feet of hose from hydrant. On duty three hours. Value of car, \$600; damage to car, \$94.27; insurance on car, \$450. Value of contents, \$140; damage to contents, \$40; no insurance.

STILL. Thursday, August 20, 4.30 P. M. Two-and-half-story tenement block, 26 Dover street, owned by Henry E. Burnham, and occupied by six families. Cause, children playing with matches. Members of Engine Company No. 2 responded with combination wagon. Used one tank.

STILL. Thursday, August 20, 7.02 P. M. Two-and-half-story block, 26 Dover street, same as previous. Slight fire in closet caused by children. Extinguished with pails of water by Officer O'Malley and members of Engine Company No. 2.

Box 212. Saturday, August 22, 12.58 A. M. Barn on Hanover street, at junction of Lake avenue, two miles from city hall, owned by George F. Boshier, and occupied by William H. Carpenter for storage. Cause, unknown. Box pulled by Officer Badger. Companies responding: Engines 1, 3, Chemical, Hose 2, Truck 3. Value of building, \$1,000; damage to building, \$1,000; insurance on building, \$800; insurance paid on building, \$800; value of content, \$200; damage to contents, \$200; no insurance.

STILL. Saturday, August 22, 3.30 P. M. Four-story brick block, 1028-1048 Elm street, owned by Mrs. Frederick Smyth and First National bank. Cause, tipping over oil stove in Room 14. No damage. Members of Chemical Company responded.

Box 32. Sunday, August 23, 11.40 P. M. False alarm. Companies responding: Engines 1, 5, Chemical, Hose 1, Trucks 1, 5.

STILL. Sunday, September 6, 1.50 P. M. Chimney fire in house, 194 East Spruce street, owned and occupied by Mrs. Joanna Daley. Members of Engine and Ladder Company No. 3 responded with hose carriage. Used three charges of pony.

STILL. Sunday, September 6, 5.45 P. M. Chimney fire same as previous fire. Members of Engine and Ladder Company No. 3 responded. Used one charge of pony.

STILL. Monday, September 7, 1.45 P. M. "City dump" on Putnam street. Members of Engine and Ladder Company No. 6 responded with hose carriage. Used 500 feet of hose from hydrant. On duty four hours.

Box 323. Monday, September 7, 10.20 P. M. Needless alarm for fire in "city dump" on Putnam street. Box pulled by citizen. Companies responding: Engines 2, 6, Hose 1, Truck 6.

STILL. Tuesday, September 8, 7.15 A. M. "City dump" on Putnam street. Members of Engine and Ladder Company No. 6 responded. Used 500 feet hose from hydrant.

STILL. Thursday, September 10, 8.45 A. M. Chimney fire in three-tenement house, 485 Rimmon street, owned and occupied by Anastasie Gariepy. Members of Engine and Ladder Company No. 6 responded with hose carriage. Used three charges of pony.

Box 216. Saturday, September 12, 3.40 P. M. Brush fire on Merrill road on land owned by George Porter. Box pulled by boys. Companies responding: Engines 1, 3, Chemical, Hose 2, Truck 3.

Box 217. Thursday, September 17, 2.41 P. M. Cottage house, 202 Candia road, owned and occupied by Pharis E. Rogers. Fire started in china closet adjoining dining-room from some unknown cause. Box pulled by citizen. Companies responding: Engines 3, 4, Chemical, Hose 2, Truck 3. Value of building, \$3,500; damage to building, \$760;

insurance on building, \$3,000; insurance paid on building, \$760. Value of contents, \$650; damage to contents, \$300; insurance on contents, \$500; insurance paid on contents, \$300.

STILL. Friday, September 18, 9.05 A. M. City dump on Putnam street. Members of Engine and Ladder Company No. 6 responded with hose carriage. Used 500 feet hose from hydrant.

Box 214. Tuesday, September 22, 3.40 P. M. Small one-story shed on Valley street, owned and occupied by McElwain Shoe Company, and used for storage of naphtha, varnish, and cement. Cause ignition of naphtha vapor. Box pulled by citizen. Companies responding: Engines 1, 3, Chemical, Hose 1, 2, 3, Truck 3. Value of building, \$150; damage to building, \$25; no insurance. Value of contents, \$360; damage to contents, \$50; no insurance.

Box 62. Tuesday, September 22, 10.57 P. M. False alarm. Companies responding: Engines 1, 3, Chemical, Hose 1, 3, Truck 3.

STILL. Wednesday, September 23, 2.50 A. M. Four-story brick block, corner Elm and Lowell streets, occupied by W. H. Eames as drug store, and others. Can of hot ashes in basement. Chemical Engine responded. No damage.

STILL. Wednesday, September 23, 12.40 P. M. Chimney fire in dwelling house, 393 Merrimack street, owned and occupied by E. A. Moulton. Members of Engine and Ladder Company No. 3 responded. Used one charge of pony.

STILL. Thursday, September 24, 8.05 P. M. Chimney fire in three-story brick block, 1085 Elm street, owned by A. B. Story heirs, and occupied as furniture store by E. L. Gresley. Chemical Engine responded. No services required.

2—2—2. Friday, September 25, 2.20 P. M. Cottage house on Candia road, three miles from city, owned by Frank P. Colby, and occupied by Edward J. Caldwell. Engine and Ladder No. 3, Hose No. 2, and detail from central station responded. Value of building, \$1,600; damage to building, \$1,400; insurance on building, \$750; insurance paid on building, \$750. Value of contents, \$400; damage to contents, \$400; insurance on contents, \$200; insurance paid on contents, \$200.

Box 323. Friday, September 25, 6.34 P. M. Dwelling house, 216 Thornton street, owned and occupied by Ernest Leffenberg. Cause, tipping over a lamp. No damage. Box pulled by citizen. Companies responding: Engines 2, 6, Hose 1, Truck 6.

STILL. Thursday, October 1, 4.30 P. M. City dump, rear of F. X. Chenette's, 205 Pine street. Chemical Engine and Hose 1 responded.

Box 5. Thursday, October 1, 7.11 P. M. Four-story brick block (Brown block), 788 Elm street, owned by Kennard & Rowell heirs, and occupied by John Morey. Cause, lamp in room 16 fell from bracket. Damage slight. Box pulled by citizen. Companies responding: Engines 2, 3, 4, Chemical, Hose 1, Trucks 1, 3.

STILL. Tuesday, October 6, 9.10 P. M. Chimney fire in tenement

block, 409 Pine street, owned by estate of S. N. Robie, and occupied by Mrs. Mary Perry.

Box 62. Sunday, October 11, 1.15 A. M. False alarm. Companies responding: Engines 1, 3, Chemical, Hose 1, 3, Truck 3.

Box 15. Tuesday, October 13, 11.57 P. M. Two-and-half-story dwelling house, 57 Orange street, owned by estate of Gideon Flanders, and occupied by William Lareau. Cause unknown. Box pulled by Lareau. Companies responding: Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5. Value of contents, \$700; damage to contents, \$30; insurance on contents, \$700; insurance paid on contents, \$30.

STILL. Wednesday, October 14, 7.45 P. M. Chimney fire in three-story tenement block, 34 Amory street, owned by Joseph Quirin, and occupied by several families. Members of Engine and Ladder Company No. 6 responded. No services required.

Box 5. Thursday, October 15, 10.19 P. M. Two-story block, 23 Central street, owned by Precile Tremblay, and occupied by Hiram Specter as a loan office. Cause, unknown. Box pulled by citizen. Companies responding: Engines 2, 3, 4, Chemical, Hose 1, Trucks 1, 3. Value of building, \$2,500; damage to building, \$55; insurance on building, \$1,000; insurance paid on building, \$55. Value of contents, \$900; damage to contents, \$585; insurance on contents, \$500; insurance paid on contents, \$500.

Box 18. Saturday, October 17, 7.41 A. M. Cottage house, 304 Manchester street, owned by John Bergmann, and occupied by Mrs. L. V. Burleigh, as millinery parlors, and A. H. Willard as residence. Cause, lace coming in contact with blaze of lamp. Box pulled by citizen. Companies responding: Engines 3, 4, Chemical, Hose 1, 2, Truck 3. Value of building, \$2,500; damage to building, \$200; insurance on building, \$1,500; insurance paid on building, \$143. Value of contents, \$2,500; damage to contents, \$1,600; insurance on contents, \$700; insurance paid on contents, \$500.

Box 312. Saturday, October 17, 8.52 P. M. Three-story wooden tenement block, 92 McGregor street, owned by Edward M. James, and occupied by Cyril Roux, and others. Cause, rubbish in cellar. Extinguished with chemical stream from combination wagon without damage. Box pulled by Special Officer Quinn. Companies responding: Engines 2, 4, 6, Hose 1, Truck 6.

Box 8. Sunday, October 18, 6.51 P. M. Two-and-half-story dwelling house, 29 Prospect street, owned by Charles C. Clark, and occupied by Peter Wafton. Cause unknown. Box pulled by William Wagner. Companies responding: Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5. Value of building, \$6,500; damage to building, \$50; insurance on building, \$3,000; insurance paid on building, \$50. Value of contents, \$50; damage to contents, \$10; no insurance.

STILL. Thursday, October 22, 8.10 P. M. Pile of leaves in rear of residence of Rev. W. Northey Jones, 100 Harrison street. Chemical Engine responded. Used one charge of pony.

STILL. Friday, October 23, 5.44 P. M. Cottage house, 395 Amherst street, owned by John T. Moore, and occupied by Harry E. Dow. Cause, soot in an old fireplace.

STILL. Tuesday, October 27, 12.30 P. M. Chimney fire in two-story tenement house, 452 Chestnut street, owned by Miss J. Emma Parsons, and occupied by A. A. Carron. Members of Chemical Company responded. No services required.

STILL. Tuesday, October 27, 3.40 P. M. Two-story tenement house, 56 Concord street, owned by Joseph Quirin, and occupied by E. Rojette. Cause, oil can in stove oven placed there by child. Members of Chemical Company responded. No damage.

STILL. Wednesday, October 28, 1.30 P. M. Cottage house, 117 Turner street, owned and occupied by Edward Campbell. Cause, chimney fire. Members of Engine Company No. 2 responded with combination wagon. Used one charge of pony. No damage.

STILL. Wednesday, October 28, 8 P. M. Dwelling house, 417 Cedar street, owned and occupied by James J. Donnelly. Cause, soot in bottom of chimney. Members of Engine Company No. 3 responded. Used four charges of pony.

Box 4. Saturday, October 31, 2.48 P. M. Kettle of tar boiled over in rear of Connor's block, 563 Elm street. No damage. Box pulled by citizen. Companies responding: Engines 2, 3, 4, Chemical, Hose 1, 3, Trucks 1, 3.

STILL. Sunday, November 1, 5.30 P. M. Chimney fire in tenement house, 38 Adams street, owned by F. M. Gerrish, and occupied by F. E. and E. M. Dwyer. Members of Engine and Ladder Company No. 5 responded. Used two charges of pony.

STILL. Tuesday, November 3, 12.55 P. M. Grass fire on land of Amoskeag Manufacturing company, near Sullivan and Rimmon streets. Members of Engine and Ladder Company No. 6 responded.

STILL. Thursday, November 4, 3.10 P. M. Brush fire on land of Amoskeag Manufacturing company on Hevey street. Members of Engine and Ladder Company No. 6 responded.

Box 215. Friday, November 13, 3.25 P. M. A few old railroad ties in rear of tenement block, 157 Wilson street, corner Silver. Cause, children playing with matches. Box pulled by citizen. Companies responding: Engines 1, 3, Chemical, Hose 2, 3, Truck 3. No damage.

STILL. Friday, November 13, 7.30 P. M. An unadjusted thermostat in Kimball Bros. shoe shop, corner Massabesic and Cypress streets. Members of Engine and Ladder Company No. 3 responded with hose wagon.

STILL. Saturday, November 14, 6.15 A. M. Chimney fire in brick block, 1214 Elm street, owned by estate of David H. Young, and occupied by Frank Burke and others. Chemical Engine responded.

STILL. Saturday, November 14, 11.15 P. M. An unadjusted thermostat in Kimball Bros. shoe shop, corner Massabesic and Cypress streets.

Members of Engine and Ladder Company No. 3 responded with hose wagon.

STILL. Tuesday, November 17, 3.04 P. M. Chimney fire in tenement house, 248 Front street, owned by Mrs. Hannah Stearns, and occupied by F. C. Piper. Members of Engine and Ladder Company No. 5 responded with hose carriage. Used one charge of pony.

STILL. Tuesday, November 17, 4.40 P. M. Same as previous, and responded to by members of Engine and Ladder Company No. 5, but found no fire nor any cause for alarm.

STILL. Thursday, November 19, 5.10 P. M. Barn situated in field south of Gerrish Tannery on road to Pine Grove cemetery, owned and occupied by heirs of B. F. and Emily J. Welch. Was nearly filled with hay and some farming tools. Cause unknown. Hose Company No. 3 responded. Laid 1,050 feet of hose from hydrant. Cause, incendiary. Value of building, \$500; damage to building, \$500; no insurance. Value of contents, \$300; damage to contents, \$300; no insurance.

Box 315. Thursday, November 19, 5.55 P. M. Chimney fire in two-story wooden house, rear of Amoskeag hotel, 270 Front street, owned by Charles Linen, and occupied by Fred Miller. Box pulled by citizen. Companies responding: Engines 5, 6, Chemical, Hose (Riverside) 5, Truck 5.

STILL. Friday, November 20, 8.13 A. M. Chimney fire in tenement house, 51 Jane street, owned by J. B. Pattee, and occupied by Fred Heath. Hose Company No. 2 responded. Used two charges of pony.

STILL. Saturday, November 21, 3.55 P. M. Amoskeag Manufacturing Company's dump on Turner street. Cause, set by boys. Members of Engine Company No. 2 responded with combination wagon. Laid 200 feet hose from hydrant.

Box 61. Sunday, November 22, 2.14 A. M. Two-and-half-story tenement house, 80 Brown avenue, owned by Leonard Sullivan, and occupied by William Downie. Cause unknown. Box pulled by Captain Thomas E. Steele. Companies responding: Engines 1, 3, Chemical, Hose 1, 3, Truck 3. Value of building, \$1,500; damage to building, \$190; insurance on building, \$1,200; insurance paid on building, \$190. Value of contents, \$400; damage to contents, \$300; insurance on contents, \$400; insurance paid on contents, \$200.

STILL. Sunday, November 22, 6.40 P. M. Chimney fire in tenement house, 15 Arlington street, owned by E. T. Hardy, and occupied by V. C. Johnson, and Almon Baxter. Members of Hose Company No. 2 responded. Used one charge of pony.

STILL. Wednesday, November 25, 5.50 P. M. Chimney fire in tenement house, 172 Douglas street, owned by Samuel and William McElroy, and occupied by George Mills and others. Members of Engine Company No. 2 responded with combination wagon. Used one tank and two charges of pony.

STILL. Wednesday, November 25, 9.15 P. M. Two-and-half-story tenement house, 52 Concord street, owned by Joseph Quirin, and oc-

occupied by James Donnelly. Slight fire in clothes closet. Cause, unknown. Chemical Engine responded. Used one tank. No damage.

STILL. Sunday, November 29, 11.05 A. M. Three-story wooden tenement block, 466 Union street, owned by Mrs. David J. Clark, and occupied by Mary Horan and others. Cause, slight fire on roof, from sparks from chimney. Chemical Engine responded. Used one tank. Value of building, \$10,000; damage to building, \$18.88; insurance on building, \$6,000; insurance paid on building, \$18.88. No damage to contents.

Box 4. Wednesday, December 2, 6.46 P. M. Chimney fire in two-story tenement house, 41 Lake avenue, owned by Patrick Harrington, and occupied by T. Bouchard. Needless alarm. No services required. Box pulled by Bouchard. Companies responding: Engines 2, 3, 4, Chemical, Hose 1, 3, Trucks 1, 3.

Box 711. Thursday, December 3, 12.01 A. M. False alarm. Companies responding: Engines 3, 4, Chemical, Hose 3, Truck 3.

STILL. Thursday, December 3, 6.20 P. M. Chimney fire in tenement house, 286 Merrimack street, owned by James Thompson, and occupied by J. A. Colby. Members of Engine and Ladder Company No. 3 responded. Used one charge of pony.

STILL. Thursday, December 3, 9.30 P. M. Two-story brick building, No. 12 Hanover street, owned by Chandler Bros., and occupied by Annis Flour & Grain company, as grocery store and eating saloon. Cause, soot in chimney. No damage.

STILL. Saturday, December 5, 5.10 P. M. Chimney fire in tenement house, 254 Front street (Amoskeag), owned by Clarence M. Durgin, and occupied by Thomas Wingate and others. Members of Engine and Ladder Company No. 5 responded with hose carriage. Used two charges of pony. No damage.

Box 219. Saturday, December 5, 5.32 P. M. One-story wooden storehouse on Hanover street, two miles from city hall, owned by Mrs. Jennie Louise Willey, and occupied by J. A. Ross, carpenter, for storage of tools. Cause, unknown. Box pulled by clerk at Eaton Heights shoe shop. Companies responding: Engines 1, 3, Hose 2, Truck 3. Value of building, \$250; damage to building, \$250; no insurance. Value of contents, \$1,200; damage to contents, \$1,050; insurance on contents, \$500; insurance paid on contents, \$250.

STILL. Sunday, December 6, 5.05 P. M. Chimney fire in tenement house, 438 Old Falls road, owned by Mrs. Joseph Stuber, and occupied by M. N. Page. Members of Engine and Ladder Company No. 3 responded. Used one charge of pony.

Box 71. Monday, December 7, 10.20 P. M. Three-story wooden tenement block, 123 East Spruce street, owned by Bartholomew Bressnahan, and occupied by several families. Cause, defective chimney setting fire to wood piled against it in cellar, where the fire was confined, doing but little damage. Box pulled by citizen. Companies responding: Engines 1, 3, Chemical, Hose 1, Truck 3. Value of building, \$4,000;

damage to building, \$35; insurance on building, \$1,000; insurance paid, \$35. No damage to contents.

STILL. Tuesday, December 8, 12.35 P. M. Chimney fire in dwelling house, 245 Cedar street, owned and occupied by Mrs. John Burke. Chemical Engine responded. Used one tank.

STILL. Wednesday, December 9, 9.55 P. M. Chimney fire in tenement house on Woodman avenue, owned by Miss Susie Woodman, and occupied by F. G. Riddle. Members of Engine Company No. 3 responded with hose wagon. Used three charges of pony.

STILL. Thursday, December 10, 6.15 P. M. Chimney fire in wooden tenement block, 142 McGregor street, owned by Gordon Woodbury, and occupied by twenty-eight families. Members of Engine and Ladder Company No. 6 responded with hose carriage. Used two charges of pony. No damage.

STILL. Friday, December 11, 10.05 P. M. Chimney fire in dwelling house, on Harriman street, near Bedford line, owned and occupied by Dennis Charron. Members of Engine Company No. 2 responded with combination wagon. Used two charges of pony.

STILL. Saturday, December 12, 12.03 P. M. Brick "Garbage" vault in rear of Chandler block, 1179 Elm street, owned by estate of Henry Chandler. Waste paper caught fire from hot ashes. Chemical Engine responded. Used one tank.

Box 4. Saturday, December 12, 1.44 P. M. Three-story wooden tenement block, 31 Spruce street, owned by Con. Flynn. Cause, rags in closet. No damage. Box pulled by citizen. Companies responding: Engines 2, 3, 4, Chemical, Hose 1, 3, Trucks 1, 3.

STILL. Wednesday, December 16, 2.02 P. M. Slight fire in woodshed, 1 Parker avenue, owned and occupied by heirs of E. Way. Cause, B. & M. R. R. employees burning grass in rear, spreading to shed. Members of Engine Company No. 2 responded with combination wagon. Used one charge of pony.

STILL. Thursday, December 17, 3.30 P. M. Ash vault in rear of 57 Hanover street, owned by estate of J. N. Brown. No damage.

STILL. Thursday, December 17, 5.30 P. M. Chimney fire in tenement block, 92 McGregor street, owned by E. M. James, and occupied by 12 families. Members of Engine and Ladder Company No. 6 responded. No services required.

Box 4. Friday, December 18, 7.43 A. M. One-story wooden shop (blacksmith's), rear of 18 Lake avenue, owned by Mrs. Fronie R. McElroy, and occupied by Charles E. Dupont. Cause, unknown. Box pulled by citizen. Companies responding: Engines 2, 3, 4, Chemical, Hose 1, 3, Trucks 1, 3. Value of building, \$200; damage to building, \$9.75; insurance on building, \$100; insurance paid on building, \$9.75. No damage to contents.

STILL. Friday, December 18, 4.26 P. M. Chimney fire in three-story wooden tenement block, 80 Cedar street, owned by Broderick & Healey.

and occupied by several families. Members of Chemical Company responded. Used one charge of pony. No damage.

STILL. Friday, December 18, 7.03 P. M. Chimney fire in three-story wooden tenement block, owned by Mrs. C. J. Senter, and occupied by fourteen families and two stores. Members of Engine and Ladder Company No. 5 responded with hose carriage. Used two charges of pony.

STILL. Friday, December 18, 8.10 P. M. Chimney fire in tenement house, 64 Arlington street, owned by James Bucklin, and occupied by Harry Bucklin. Members of Hose Company No. 2 responded. Used two charges of pony.

BOX 15. Friday, December 18, 10.06 P. M. Three-story wooden tenement block, 106 Bridge street, owned by P. Scollard, and occupied by Israel Landry and others. Cause, bed clothes ignited from some unknown cause. Damage slight. Box pulled by citizen. Companies responding: Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks, 1, 5.

STILL, 2—2—2 on tappers. Saturday, December 19, 3.42 A. M. Telephone message received from Goffstown asking for assistance. Took Engine 1 with hose wagon, 4 horses, and 15 men, and went via B. & M. R. R. On arrival the Goffstown department had fire under control, so did not unload apparatus. Returned at 8.10 A. M.

STILL. Saturday, December 19, 2.35 P. M. Grass fire on land owned by Amoskeag Manufacturing company, corner of Rimmon and Putnam street, caused by bonfire of nearby skating party. Members of Engine and Ladder No. 6 responded.

STILL. Saturday, December 19, 5.40 P. M. Chimney fire in dwelling house, 476 Front street, owned and occupied by W. H. Maxwell. Members of Engine and Ladder Company No. 5 responded with hose carriage. Used three charges of pony.

STILL. Wednesday, December 23, 5.45 P. M. Chimney fire in tenement block, 39 Winter street, owned by Hanson R. Armstrong and occupied by several families. Members of Engine Company No. 2 responded with combination wagon. Used one charge of pony.

STILL. Thursday, December 24, 10.40 A. M. Slight fire in woodbox, 141 West street, in dwelling owned and occupied by Charles Lange, caused by children playing with matches. Members of Engine Company No. 2 responded with combination wagon. Extinguished before their arrival.

STILL. Thursday, December 24, 5.25 P. M. Chimney fire in two-and-half-story tenement house, 195 Turner street, owned by Merrill Farmer, and occupied by several families. Members of Engine Company No. 2 responded with combination wagon. Used two charges of pony.

STILL. Thursday, December 24, 7.15 P. M. Chimney fire in dwelling house, 51 Goffstown road, owned and occupied by B. F. Norton. Members of Engine and Ladder Company No. 5 responded. Used two charges of pony.

STILL. Friday, December 25, 1.40 P. M. Chimney fire in dwelling

house 1855 Elm street, owned and occupied by Uberto C. Crosby. Members of Engine and Ladder Company No. 5 responded.

STILL. Saturday, December 26, 6.05 P. M. Chimney fire in two-and-a-half story dwelling, 380 Cartier street, owned by John Foster, and occupied by George and Joseph Gerham. Members of Engine and Ladder Company No. 6 responded. Used two charges of pony.

STILL. Saturday, December 26, 9.30 P. M. Chimney fire in tenement, 123 Amherst street, owned by Henry Eaton, and occupied by Kate Lynch. Used three charges of pony.

STILL. Sunday, December 27, 11.20 A. M. Two-story tenement house, 153 Hanover street, owned by John X. Sanborn, and occupied by M. A. Bernard. Cause, thawing water pipes. Chemical Engine responded. Used one charge of pony.

BOX 82. Sunday, December 27, 2.51 P. M. Two-and-a-half-story wooden building, rear 1205 Elm street, owned by Edward L. Kimball, and occupied by Wesley J. Smith as Derryfield Laundry. Fire appeared to have started near the boiler in rear from some unknown cause. Box pulled by Nira Truland. Companies responding: Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5. Value of building, \$4,250; damage to building, \$1,046.75; insurance on building, \$4,250; insurance paid on building, \$1,046.75. Damage to contents, \$938.51; insurance on contents, \$1,000; insurance paid on contents, \$938.51.

STILL. Sunday, December 27, 5.20 P. M. Chimney fire in tenement block, 25 Parker street, owned by James F. Wyman, and occupied by several families. Members of Engine Company No. 2 responded with combination wagon. Used two charges of pony.

STILL. Monday, December 28, 8.57 A. M. Tenement house, 59 Dover street, owned by Kate E. Fradd, and occupied by Samuel B. Nelson. Cause, water pipes frozen so water could not circulate through "water-back" of stove, causing explosion of stove, setting fire to clothing, doing but slight damage by fire. Members of Engine Company No. 2 responded with combination wagon. Used one charge of pony. Value of building, \$2,200; damage to building, \$20; insurance on building, \$1,500; insurance paid on building, \$20. Value of contents, \$300; damage to contents, \$45; no insurance.

STILL. Thursday, December 31, 6.55 A. M. Tenement house, 318 Lake avenue, owned by Mrs. H. G. Bates, and occupied by George A. Smith. Cause, overheated chimney ignited floor timbers too closely connected with chimney. Members of Engine and Ladder Company No. 3 responded with hose wagon. Used three charges of pony, and laid 450 feet of hose from hydrant. Value of building, \$4,500; damage to building, \$61; insurance on building, \$2,000; insurance paid on building, \$61.

STILL. Thursday, December 31, 3.57 P. M. City dump, corner Putnam and Rimmon street. Members of Engine and Ladder Company No. 6 responded with hose carriage. Laid 550 feet of hose.

Number of bell alarms	105
Number of still alarms	179
Total	284
Aggregate losses for 1903	\$51,416.55
Amount of insurance paid	39,379.95
Net losses uncovered by insurance	\$12,036.40

COMPANIES RESPONDING.

MONTHS.	ENGINES.						Chemical.	HOSE.				TRUCK.			
	1	2	3	4	5	6		1	2	3	1	3	5	6	
January.....	4	2	6	6	1	...	10	5	5	4	4	7	1	...	
February.....	8	2	4	5	4	2	10	8	6	1	6	5	4	2	
March.....	10	5	8	11	4	3	16	13	9	3	9	7	7	2	
April.....	2	3	3	5	2	3	10	3	6	1	2	4	2	3	
May.....	4	1	6	4	..	1	11	5	2	5	3	5	1	...	
June.....	5	4	7	3	...	1	8	6	1	6	6	7	...	1	
July.....	6	4	9	8	1	2	12	10	6	4	4	6	4	2	
August.....	3	...	3	2	1	...	4	3	4	...	1	1	3	...	
September.....	3	2	5	1	...	2	6	4	4	2	...	4	...	2	
October.....	3	4	5	7	2	1	9	9	3	2	5	5	2	1	
November.....	2	...	2	...	1	1	6	1	1	3	...	2	1	...	
December.....	5	3	6	6	2	...	10	6	3	4	5	6	2	...	
Total.....	55	30	64	58	18	16	112	73	50	35	45	59	27	13	

ESTIMATED VALUE OF PROPERTY.

Engine No. 1.

LOCATED ON VINE STREET.

1 first-size Amoskeag steamer	\$4,000.00
1 one-horse wagon	400.00
3 gray horses for steamer	600.00
1 gray horse for hose wagon	200.00
4 swinging harnesses	200.00
1 pair double exercise harnesses	50.00
1 single exercise harness	40.00
2,000 feet fabric hose	900.00
Stable fixtures, blankets, etc.....	80.00
Tools, furniture and fixtures	200.00
Firemen's suits and badges	125.00
Total amount	\$6,795.00

Engine No. 2.

LOCATED AT NORTH MAIN STREET, 'SQUOG.

1 second-size Amoskeag steamer	\$4,000.00
1 Combination Chemical and Hose wagon	1,700.00
1 exercise wagon, poles, shafts, and three-horse hitch....	250.00
3 horses for steamer	600.00
1 pair horses for hose wagon	400.00
3 exercise harnesses, 2 at \$40, 1 at \$20.....	100.00
5 swinging harnesses	250.00
1 double sled	60.00
3,150 feet fabric hose	1,417.50
Stable fixtures and blankets	94.00
Furniture, fixtures, carpets, etc.....	466.00
Firemen's suits and badges	125.00
Total amount	\$9,462.50

Engine and Ladder No. 3.

LOCATED ON LAKE AVENUE, CORNER MASSABESIC STREET.

1 second-size Amoskeag steamer	\$3,500.00
1 two-horse hose wagon	400.00
1 two-horse truck and equipments	1,700.00

1 three-horse hitch attachment (extra)	\$200.00
1 pair horses for steamer	250.00
1 pair bay horses for hose wagon	400.00
1 pair black horses for truck	300.00
3 exercise harnesses, 2 at \$50, 1 at \$40	140.00
6 swinging harnesses	300.00
3,400 feet fabric hose	1,530.00
Stable fixtures, blankets, etc.....	80.00
Beds, bedding, carpets, hall furniture, etc.....	575.00
Firemen's suits and badges	150.00
1 exercise wagon	250.00
Total amount	\$9,775.00

Engine No. 4.

LOCATED ON VINE STREET.

1 first-size Amoskeag steamer	\$4,200.00
1 hose wagon	400.00
3 horses for steamer	600.00
1 horse for hose wagon	150.00
4 exercise harnesses	60.00
4 swinging harnesses	200.00
2,050 feet fabric hose	922.50
Hall furniture, beds, bedding, etc.....	275.00
Stable fixtures and blankets	75.00
Firemen's suits and badges	125.00
Total amount	\$7,007.50

Engine and Ladder No. 5.

LOCATED ON WEBSTER STREET, CORNER CHESTNUT.

1 third-size Amoskeag steamer	\$3,600.00
1 two-wheeled Amoskeag hose carriage	600.00
1 steel frame ladder truck	1,650.00
1 pair bay horses for steamer	400.00
1 pair bay horses for truck	400.00
1 bay horse for hose carriage	200.00
1 exercise wagon	325.00
1 double sled	50.00
5 swinging harnesses	250.00
2 pairs exercise harnesses	100.00
2,350 feet fabric hose	1,057.50

Bedding, furniture, tools, etc.....	\$247.00
Stable fixtures, blankets, etc.....	90.00
Firemen's suits, badges, etc.....	150.00
Total amount	<u>\$9,119.50</u>

Engine and Ladder No. 6.

LOCATED AT CORNER AMORY AND RIMMON STREETS.

1 second-size Amoskeag steamer	\$3,500.00
1 hook-and-ladder truck (with Bangor extension).....	1,680.00
1 one-horse carriage	600.00
2 gray horses for steamer	300.00
2 bay horses for truck	267.00
1 gray horse for hose carriage	150.00
5 swinging harnesses	250.00
2,200 feet fabric hose	990.00
Hall furniture, carpets, beds, bedding, etc.....	375.00
Stable fixtures, blankets, etc.....	85.00
Firemen's suits and badges	150.00
1 exercise wagon	290.50
Total amount	<u>\$8,637.50</u>

Hose No. 1.

LOCATED ON VINE STREET.

1 four-wheeled Amoskeag hose carriage	\$600.00
2 horses	300.00
2 single harnesses	70.00
1 set Hobbs' Runners	90.00
1 hose sled	20.00
3,200 feet of fabric hose	1,440.00
Furniture and fixtures	200.00
Beds, bedding, etc.....	60.00
Stable fixtures and blankets	50.00
Firemen's suits and badges	100.00
Total amount	<u>\$2,930.00</u>

Hose No. 2.

LOCATED ON MAPLE STREET, CORNER OF EAST HIGH.

1 two-horse hose wagon	\$600.00
2 bay horses	500.00

2 swinging harnesses	\$100.00
1 exercise wagon	325.00
2,000 feet of fabric hose	900.00
150 feet leather hose	60.00
Furniture and fixtures, beds and bedding	150.00
Firemen's suits and badges	100.00
Total amount	<u>\$2,735.00</u>

Hose No. 3.

LOCATED ON SOUTH ELM STREET, BAKERSVILLE.

1 combination hose wagon (with ladders)	\$1,000.00
1 pair gray horses	100.00
1 pair of swinging harnesses	100.00
1 pair exercise harnesses	50.00
1 exercise wagon	50.00
2,100 feet of fabric hose	945.00
Furniture, fixtures, bedding, etc.....	85.00
Stable fixtures, blankets, etc.....	65.00
Firemen's suits and badges	80.00
Total amount	<u>\$2,475.00</u>

Hook and Ladder Co. No. 1.

LOCATED ON VINE STREET.

1 aerial hook-and-ladder truck	\$4,200.00
3 horses	600.00
3 exercise harnesses	75.00
3 swinging harnesses	150.00
2 extra Bangor extension ladders	360.00
3 rubber blanket covers	72.00
Furniture and fixtures	200.00
Beds, bedding and furniture	75.00
Stable fixtures and blankets	60.00
Firemen's suits and badges	150.00
Total amount	<u>\$5,942.00</u>

Chemical Engine No. 1.

LOCATED ON VINE STREET.

1 double tank (60 gallons each) engine	\$2,250.00
1 pair bay horses	500.00

1 pair of exercise harnesses	\$50.00
1 pair swinging harnesses	100.00
Furniture and fixtures	75.00
Stable fixtures and blankets	50.00
Firemen's suits and badges	35.00
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Total amount	\$3,060.00

Supply Wagon.

1 supply wagon, with coal boxes	\$150.00
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Spare Hose Carriage and Hose.

AT CENTRAL STATION, VINE STREET.

1 four-wheeled hose carriage	\$400.00
900 feet fabric hose (for re-lining)	180.00
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Total amount	\$580.00

Exercise Wagon.

AT CENTRAL STATION, VINE STREET.

1 four-wheeled exercise wagon with pole, shafts three-horse hitch, and coal boxes	\$250.00
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Goffe's Falls Hose Carriage.

LOCATED AT DEVONSHIRE MILLS.

1 two-wheeled hose carriage	\$30.00
400 feet fabric hose	160.00
2 hosepipes	10.00
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Total amount	\$200.00

Pond Road Hose Carriage.

LOCATED IN BASEMENT OF W. P. FARMER'S BARN.

1 two-wheeled hose carriage	\$30.00
500 feet leather hose	150.00
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Total amount	\$180.00

Sleeping Hall.

AT CENTRAL STATION, VINE STREET.

5 beds, bedding, wardrobes, etc.....	\$200.00
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Extra Horses.

1 steel gray horse	\$100.00
1 gray horse	175.00
Total amount	<u>\$275.00</u>

Fire Alarm Telegraph.

At cost, including additions	\$22,250.00
Remodeling in 1885	6,000.00
"Individual tapper" system	4,000.00
Storage battery (in 1898)	1,850.00
Switch protector board	175.00
Two boxes added in 1903	250.00
Wire, brackets, and tools	250.00
Repair wagon	150.00
Total amount	<u>\$43,925.00</u>

Recapitulation.

Engine Company No. 1	\$6,795.00
Engine Company No. 2	9,462.50
Engine and Ladder Company No. 3.....	9,775.00
Engine Company No. 4	7,007.50
Engine and Ladder Company No. 5	9,119.50
Engine and Ladder Company No. 6	8,637.50
The "Harrington" Engine	250.00
Hose Company No. 1	2,920.00
Hose Company No. 2	2,735.00
Hose Company No. 3	2,475.00
Hook and Ladder Company No. 1	5,942.00
Chemical Engine Company No. 1	3,060.00
Combination wagon (for Wilson Hill)	1,700.00
Supply wagon	150.00
Exercise wagon (Central station)	200.00
Spare hose carriage and hose	580.00
Engineers' department	532.50

Riverside Hose Company	\$1,010.00
Hallsville Hose Company	195.00
Goffe's Falls Hose Company	200.00
Pond Road Hose Company	180.00
Sleeping Hall (Central Station)	200.00
Extra horses	275.00
Fire alarm telegraph	43,925.00
Total amount	\$117,536.50

BOARD OF ENGINEERS.

Badge No.	NAME.	Rank.	Occupation.	Residence.
1	Thomas W. Lane.....	Chief.....	.....	1937 Elm.
2	Clarence R. Merrill	Assistant	Grain dealer.....	414 Merrimack.
4	Fred S. Bean	"	Foreman.....	312 Pearl.
5	John F. Seaward.	"	Carpenter.....	27 Warren.
3	Arthur Provost.....	"	Wool sorter.....	526 Beauport.

ENGINE COMPANY No. 1.

House, 28 Vine Street.

Badge No.	NAME.	Rank.	Occupation.	Residence.
7	Charles F. McCoy	Captain	Machinist	50 Mechanic.
8	Frank E. Stearns	Lientenant	Paper hanger.....	450 Merrimack.
18	James L. Brock.....	Clerk	Tinsmith.....	21 Market.
6	Charles F. Hall.....	Engineer	Engineer.	28 Vine.
14	George B. Forsaith.....	Asst. engineer ..	Machinist.....	639 Chestnut.
11	Frank H. Harvey.....	Driver engine....	Teamster	28 Vine.
12	Artemas C. Barker.....	Driver hose.....	"	28 Vine.
43	Frank B. Marston	Hoseman	Carpenter.....	823 Union.
9	Lewis G. Bryant.....	"	"	417 Central.
17	Melvin Walker.....	"	"	6 Canal.
19	Charles H. Fraser	"	"	363 Concord.
13	Stanley H. Patten	"	Tinsmith.....	117 Chestnut.
10	George E. Boulton	"	Driver.....	355 Amherst.
15	George F. Miller.....	"	Gasfitter.....	219 Walnut.

ENGINE COMPANY No. 2.

House on North Main Street, 'Squog.

Badge No.	NAME.	Rank.	Occupation.	Residence.
76	Jeremiah Lane.....	Captain.....	Fireman.....	210 No. Main.
70	Charles M. Tewksbury..	Lieutenant.....	Clerk, B. & M. R. R.	278 Douglas.
68	James Perrigo.....	Clerk.....	Foreman, U. S. B. & S. Co.	210 N. Main.
120	Henry C. Morrill.....	Engineer.....	Engineer.....	43 Beauport.
119	Stephen Thomes.....	Asst. engineer...	Carpenter... ..	55 Douglas.
72	Charles M. Denyou.....	Driver Engine ...	Teamster.....	50 Barr.
69	Arthur W. Whitecomb ...	Driv. combin'tion	Teamster.....	35 No. Main.
75	Robert J. Hill.....	Hoseman.....	Carpenter.....	86 School.
73	Charles S. Cousins.....	".....	Harness-maker...	151 Douglas.
74	Thomas C. Foote.....	".....	Wool sorter.....	56 No. Main.
66	Joseph H. Alsop.....	".....	Waste sorter.....	54 Douglas.
77	William Arnold.....	".....	Barber.....	15 So. Main.
67	Archie A. Gorham.....	".....	Machinist.....	40 Dubuque.
71	J. W. Gott.....	".....	Wool sorter.....	53 Douglas.

ENGINE AND LADDER COMPANY No. 3.

House on Lake Avenue, corner of Massabesic.

Badge No.	NAME.	Rank.	Occupation.	Residence.
86	Frank F. Porter.....	Captain.....	Manufacturer.	330 E. Spruce.
97	Edwin C. Paul.....	Lieut. of engine..	Collector.....	372 Lake ave.
84	Harry A. Piper.....	Lieut. of truck...	Contractor.....	443 Bridge.
148	Orren S. Coburn.....	Clerk.....	Clerk.....	386 Central.
122	John P. Walker.....	Engineer.....	Machinist.....	403 Hall.
98	Samuel M. Couch.....	Asst. engineer...	Blacksmith.....	447 Spruce.
105	Herbert E. Dunbar.....	Driver of engine.	Teamster.....	310 Central.
81	William S. McLeod.....	Driver of hose ...	".....	419 Lake ave.
82	Lyman W. Piper.....	Driver of truck...	".....	398 Merrimack
114	John Wilson.....	Fireman.....	Carpenter.....	6 Linden.
80	Clarence Hackett.....	".....	Laundryman.....	372 Lake ave.
85	John W. Finn.....	".....	Painter.....	501 Wilson.
88	George Taylor.....	".....	Meehanic.....	582 Lake ave.
79	Louis N. Dufraim.....	".....	Plumber.....	437 Hall.
89	Parker R. Brown.....	".....	Grain dealer.....	422 Merrimack.
153	Edson F. Wyman.....	".....	Restaurant.....	368 E. Spruce.
87	George H. Wheeler.....	".....	Salesman.....	384 E. Spruce.
150	Frank S. Shirley.....	".....	Shoe-cutter.....	310 Central.
121	Arthur S. Brown.....	".....	Grain dealer.....	422 Merrimack.
78	Nelson T. Wheelock.....	".....	Quarryman.....	477 Belmont.

ENGINE COMPANY No. 4.

House, No. 20 Vine Street.

Badge No.	NAME.	Rank.	Occupation.	Residence.
28	John H. Wales, Jr.....	Captain.....	Brick mason.....	2 M. S. B.
33	Thomas W. Lane, Jr. ...	Lieutenant	Electrician	1937 Elm.
23	George Thompson	Clerk	Clerk	85 Salmon.
21	Joseph H. Gould	Engineer.....	Machinist.....	20 Vine.
27	Edward Sargent	Asst. Engineer ..	"	73 Amherst.
31	George A. Cann	Driver of engine.	Teamster.....	20 Vine.
29	Charles H. Rogers	Driver of hose ...	"	20 Vine.
22	Walter A. Clarkson	Hoseman.....	Carpenter	301 Walnut.
25	Frank B. Stevens.....	"	Clerk	144 Blodget.
32	Luther A. Knight.....	"	Engineer.....	16 Stark.
30	James C. Newton	"	Machinist	408 Manchester.
26	Alfred Gustafson.....	"	"	20 Malvern.
20	Fred H. Cate.....	"	Clerk ..	413 Merrimack.
24	Robert Trumbull	"	Machinist	20 Vine.

ENGINE AND LADDER COMPANY No. 5.

House, No. 44 Webster Street.

Badge No.	NAME.	Rank.	Occupation.	Residence.
49	Charles W. Brown	Captain.....	Clerk	95 Harrison.
101	Irving S. Bryant.	Lieut. truck.....	Second hand	884 Union.
46	Woodbury Davison.....	Lieut. engine....	Carpenter	32 Myrtle.
108	Edward L. Towle.....	Clerk	Salesman.....	71 N. Adams.
102	Walter Morse.....	Engineer	Machinist	54 Appleton.
42	Daniel W. Morse.....	Asst. engineer....	"	1419 Elm.
125	Emil H. Smith	Driver engine....	Teamster.....	44 Webster.
124	Benjamin C. Cann.....	Driver of Truck .	"	44 Webster.
58	Ernest E. Hubbell	Driver of Hose...	"	44 Webster.
47	Russell L. Cilley.....	Hoseman.....	Clerk	863 Chestnut.
39	Will G. Fraser.....	"	Electrician	53 Pennacook.
158	Andrew S. Fantom.....	"	Cigar-maker.....	676 Maple.
101	Charles W. Warner.....	"	Electrician	75 Sagamore.
126	Edwin M. Dorney	"	Tinsmith	254 Walnut.
41	Max Hawkins.....	"	Clerk	72 Appleton.
159	Charles E. Longa.....	"	"	10 N. Adams.
123	Charles H. Gile.....	"	Carpenter	597 Chestnut.
140	Maurice Hoffman.....	"	Clerk.....	321 Walnut.
162	Alfred Anderson.....	"	Brush-maker.....	267 Walnut.
95	George H. Chadwick....	"	Steam-fitter.....	41 Blodget.

ENGINE AND LADDER COMPANY No. 6.

House on Amory and Rimmon Streets.

Badge No.	NAME.	Rank.	Occupation.	Residence.
141	Mederique R. Maynard..	Captain.....	Grocer.....	324 Dubuque.
147	James A. Farley.....	Lient. engine.....	Machinist	385 Dubuque.
142	Frank St. John.	Lient. truck.....	Mill operative ...	76 Wilton.
138	Thomas F. Fitzsimmons.	Clerk	Painter.....	258 Beauport.
132	Charles Edgar.....	Engineer	Engineer.....	Engine-house.
133	Aleide Provencher.....	Asst. engineer....	Machinist	43 Sullivan.
134	Alphonso E. Foster.....	Driver of engine..	Teamster.....	Engine-house.
140	Frank W. Tebbetts.....	Driver hose	"	Engine-house.
136	Henry C. Crosby	Driver truck	"	Engine-house.
129	John Martin..	Hoseman.....	Machinist	624 No. Main.
143	Henry Stein.	"	Blacksmith	393 Hevey.
145	John E. Herring.....	"	Loom-fixer... ..	402 Rimmon.
131	John C. Gemmell	"	Laborer.....	27 Adams.
128	John H. McCabe.....	"	Clerk	310 No. Main.
139	Gideon Belisle.....	"	"	47 Bremer.
146	Richard F. Galway ...	"	Cigar-maker.....	400 No. Main.
130	Calvin Brinn	"	Loom-fixer	174 Cartier.
137	Wm. T. Lockhead	"	Molder	174 Douglas.
144	John Montplaisir	"	Mill operative.....	454 Dubuque.
135	James Collins.....	"	Fancy dresser.....	548 Rimmon.

HOSE COMPANY No. 1.

House, No. 26 Vine Street.

Badge No.	NAME.	Rank.	Occupation.	Residence.
51	Edwin W. Merrill.....	Captain.....	Clerk	370 Manchester.
35	Samuel W. Patten	Lieutenant.....	Belt maker.....	3 M. S. B.
48	Albert A. Puffer	Clerk	Teamster.....	499 Beech.
37	Henry C. Parsons	Driver.....	"	26 Vine.
45	George I. Ayer.....	Hoseman.....	Electrician.....	28 M. S. B.
39	George W. Snaden	"	Plumber.....	25 Nashua
53	Albert W. Tucker	"	Collector	18 Brown Ave.
34	Harry Barrett.....	"	Machinist	814 Union.
52	Charles H. French.....	"	Electrician.....	7 Water.
36	Alfred Firth.....	"	Machinist.....	8 Derry.
50	Charles Skinner	"	Janitor.....	335 E. High.
38	Sumner N. Patten	"	Belt maker.....	3 M. S. B.

HOSE COMPANY No. 2.

House on Maple Street, corner East High.

Badge No.	NAME.	Rank.	Occupation.	Residence.
64	Melvin W. Worthen	Captain.....	Carpenter	507 Maple.
55	Revalo G. Houghton.....	Lieutenant	Gas-fitter.....	337 Lowell.
59	Joseph W. Batchelder..	Clerk	Carpenter... ..	521 Maple.
57	Ellsworth V. Rowe.....	Driver.....	Teamster	521 Maple.
60	Charles W. Powell	Hoseman.....	Carpenter... ..	540 Maple.
63	James A. Rogers.....	"	"	761 Beech.
65	John M. Emerson.....	"	Plumber	19 Russell.
58	Thomas Smith.....	"	Carpenter	24 South.
62	Julian B. Huntley.....	"	Plumber... ..	1087 Elm.
54	Thomas P. Burnap	"	Carpenter.....	15 Liberty.
56	Fred W. Corey.....	"	Steam-fitter.....	497 Maple.
61	Fred H. Humphrey.....	"	Carpenter.....	384 E. High.

HOSE COMPANY No. 3.

House, South Elm Street.

Badge No.	NAME.	Rank.	Occupation.	Residence.
110	Albert W. Smith.....	Captain.....	Fireman....	46 Brown ave.
157	Frank D. Hardy.....	Lieutenant.....	Yard conductor....	23 Elm.
151	Elmer R. Laing.....	Clerk.....	Produce dealer....	34 Brown ave.
152	Edgar A. Young.....	Driver.....	Teamster.....	23 Elm.
153	James H. McKenzie.	Hoseman.....	Sash-maker.....	Elm.
154	William P. Hall.....	".....	".....	39 Elm.
155	John M. Baker.....	".....	Clerk.....	42 Elm.
156	Celon D. Stevens.....	".....	".....	21 Elm.
149	Fred S. Morrill*.....	Driver.....	Teamster.....	53 Beauport.
161	Albert M. Tuson*.....	".....	".....	20 Vine.

*Detailed for department spare driver.

HOOK AND LADDER COMPANY No. 1.

House, 18 Vine Street.

No. Badge	NAME.	Rank.	Occupation.	Residence.
111	Roscoe Dyer.....	Captain.....	Machinist.....	8 Oak.
92	Oscar P. Stone.....	Lieutenant.....	Clerk.....	312 Manchester.
91	George H. Hammond....	Clerk.....	Carpenter.....	1 Malvern.
94	Asa W. Gage.....	Driver.....	Teamster.....	18 Vine.
104	Harrison H. Cole.....	Fireman....	Carpenter.....	883 Union.
109	George M. Jones.....	".....	Watchman.....	23 Myrtle.
107	Henry Heap.....	".....	Manufacturer.....	18 Vine..
113	Charles H. Laxon.....	".....	Carpenter.....	263 Pearl.
112	Henry Johnson.....	".....	Steam-fitter.....	316 Walnut.
90	Frank A. Pherson.....	".....	Machinist.....	18 Vine.
106	Benjamin F. Marsh....	".....	Carpenter.....	42 Buzzell.
100	John Short.....	".....	Clerk.....	1037 Elm.
96	Frank H. Cole.....	".....	Machinist.....	45 M. S. B.
118	Hiram Wingate.....	".....	Engineer.....	33 Spring.
93	Fred W. Bond.....	".....	Loom-fixer.....	46 Stark.

CHEMICAL ENGINE COMPANY No. 1.

House, 8 Vine Street.

Badge No.	NAME.	Rank.	Occupation.	Residence.
116	Clarence D. Palmer.....	Captain.....	Marble dealer.....	8 Vine.
115	Hervey E. Harris.....	Clerk.....	Laundry.....	249 Concord.
103	Benjamin R. Richardson	Driver.....	Teamster	21 Ash.
117	George H. Porter.....	Pipeman.....	Carpenter.....	279 Laurel.
44	Manley S. Adams.....	Fireman.....	Lineman.....	5 Stark Corp.

REPORTS

OF THE

TRUSTEES OF CEMETERIES AND
CEMETERY FUNDS.

REPORTS OF THE TRUSTEES OF CEMETERIES AND CEMETERY FUNDS.

Pine Grove Cemetery.

To the Trustees of Cemeteries and Board of Mayor and Aldermen:

GENTLEMEN,—By direction of the sub-trustees of the Pine Grove cemetery I submit the following as their report for the year 1903:

Superintendent Erskine, who has for several years had charge of the grounds, was continued in control by the board of sub-trustees, which was organized in February, and the same general plan for the care of the grounds was followed as has been the case in recent years.

No new lawn section was prepared during the year, but an addition was made to the field of Manesquo. The single grave section, which was prepared in 1902, and which is known as Woodside Lawn, has been found to meet a want which has long been felt. As we stated in our last report, the price for a single grave in this lot is fixed at \$18, of which \$8 is paid to the trustees of the cemetery fund, thus insuring watering and clipping of the grass. Two adults or one adult and two children may be interred in any one grave, thus furnishing an opportunity for the burial of those who cannot afford a more expensive lot in a place which the city will for all time keep under a reasonable degree of care. During the year 1903, nine of said graves were sold. During the year there were also sold in all, including the single graves, 80 lots, 8 on Riverside Lawn, 4 on Chapel Lawn, 13 on Pine Lawn, all under perpetual care, 1 on Acacia Lawn, 37 on the new Hillside Lawn, which is under care which insures the clipping of the grass and the watering of the lots, and 6 on the Swedish Lawn, while 2 of the few remaining ordinary lots were sold. There remain for sale 54 lots under perpetual care, 93 lots on Hillside Lawn, and 7 on Acacia Lawn. As the sub-trustees have reported before, in the future no lots are to be sold except under provisions for the cutting and watering of the grass, and the wisdom of this plan has been clearly proved during the past two years. During the year 21 lots owned by private individuals have been graded and put in good condition. About 120 feet of sewer pipe were laid, and one new cesspool placed in position. At the expense of the owners 480 private lots were cared for, in addition to the 475 lots which have been sold or placed under perpetual care provisions.

Once more the sub-trustees of the Pine Grove cemetery have to express their indebtedness and thanks to the trustees of the cemetery

fund for an appropriation of \$1,000 from that fund with which a section of lots south of Landscape Lawn was graded upon the lawn plan and the paths filled, making a much needed improvement. Also 2,010 square yards of macadam roadway were built, and some 200 feet of border east of Hillside Lawn was graded and covered with loam.

In addition to the ordinary expenses for the care of the grounds 1,000 slate bounds were set to permanently mark the corners of lots, and 2,000 bounds were purchased for use in the coming year.

A new and improved device for lowering a casket into a grave was purchased, also a horse lawn mower and an additional horse.

During the past season a skilled gardner has been employed to take care of the shrubs and flowers, and his work was shown in an improved appearance of those adornments of the grounds. The sub-trustees believe that such a man is essential, and they have been able with his help to raise in hot beds some 5,000 hardy perennials and quite a number of shrubs and rose bushes, which will be ready to be planted at the opening of the coming spring. If a place were furnished in which the flowers and shrubs needed for the grounds could be raised we believe a great deal of money could be saved, and we have recommended to the city government the appropriation for the coming year of the sum of \$1,500 with which to build a small greenhouse, in which, under the care of a skilled man, such work can be done. The board of aldermen have adopted the suggestion and recommended the appropriation to the common council, and the sub-trustees sincerely hope the latter body may find the financial condition of the city such that the appropriation can be made. The amount which was paid for flowers and shrubs in 1903 was \$429.75 and was smaller than usual. With a greenhouse we think that a great saving can be made, and very many more flowers and shrubs used in the work. This fall there were planted 3,000 tulips, 1,000 crocuses, and 150 narcissus plants.

There were buried during the year 291 bodies, and 19 were removed from one grave to another. The number of new monuments erected was 45.

The sub-trustees feel that during the summer of 1903 the general appearance of the cemetery was superior to that of any of the preceding years, and hope that the opinion of the public coincides with theirs.

During the year the legacy of \$15,000, which was left by Miss Fannie E. A. Riddle to the city, became available and the erection of a chapel in accordance with the terms of her will was entrusted by the board of mayor and aldermen to a special committee consisting of His Honor the Mayor and the sub-trustees of the Pine Grove cemetery.

In our report for 1902, anticipating the bequest, we stated that we believed that, considering that the use of such a building for strictly chapel purposes is comparatively infrequent, it would be proper and fitting to combine with the chapel a superintendent's office, and so make a building which would be highly useful as well as ornamental as the city would thus save the expense of a new administration build-

ing which must otherwise soon be built, and as this plan would seemingly carry out the testator's idea in making her gift, for she well knew the purposes for which the existing chapel is used and doubtless had in mind the erection of a building which would take its place both for religious and secular purposes. With the same idea in view, when the matter came before the mayor and sub-trustees, it was unanimously decided that in the plans for the chapel the provisions of the will should be implicitly carried out so far as directions were given therein for any part of the work, and there should be combined therewith such an arrangement of building as would furnish a convenient waiting room and office for the superintendent of the grounds. Nearly a score of leading architects of the country were invited to submit plans for a building which would combine these requirements, and most of them submitted plans.

The committee finally unanimously selected a plan prepared by the firm of McFarland, Colby & McFarland, of Boston, which is in general a plan for a chapel of the Norman style of architecture, and combines a chapel, a waiting room and a superintendent's office, the two latter apartments being entirely separate from the chapel itself, although the whole building is so arranged as to present the appearance of a chapel and vestry.

The combination of a chapel with the superintendent's office is in accordance with the arrangement of similar buildings in cemeteries in many parts of the country, and the sub-trustees believe that in their plans they have followed out the ideas of Miss Riddle as the same were expressed by her many times to those who were in charge of the grounds during her lifetime. Bids for the construction of the chapel in accordance with the plans have been asked for from a number of building firms both local and resident in other states, and the same are to be opened the twenty-second of the current month. The site for the chapel is on the highest part of Chapel Lawn, which was the place which Miss Riddle desired to be selected. The sub-trustees hope that the plans as selected will meet with the approval of the community, and if the building is erected in accordance therewith a very useful and beautiful building will, in our belief, furnish a lasting memorial of the thoughtfulness and generosity of Miss Riddle in making her bequest.

The Merrill yard received the ordinary amount of care during the year, but with the limited appropriation made for the purpose the work done in that yard is necessarily limited.

All of which is respectfully submitted.

EDWIN F. JONES,
Clerk of the Sub-Trustees.

Valley Cemetery.

In behalf of the trustees of Valley cemetery I wish to make the following report for the year ending December 31, 1903:

The work of the cemetery has been carried on under the same general plan as in former years.

There have been a number of lots graded the past year and some progress made on filling and grading the banks of the valley.

Two hundred and fifty feet of retaining wall have been built on the west line of the cemetery and the committee hope to build a fence on the wall the present year and grade and seed the lots on that side of the cemetery.

For care and water for lots	\$1,269.75
sundries	249.95
tomb rent	104.25
interments	169.00
removals	37.00
	<hr/>
Paid city treasurer	\$1,829.95
Number of interments	62
of removals	18
entombed	60
of loads loam	78
of loads manure	6
of feet of turf	800

Respectfully submitted,

S. P. CANNON,

Clerk.

Amoskeag Cemetery.

The sub-trustees of Amoskeag cemetery present the following report for the year ending December 31, 1903:

Appropriation for 1903	\$250.00
Labor	\$149.75
Water	12.00
Canvas	8.45
Team work	8.00
Hose	5.00
Posts	3.00
Oil and lead	5.50
Flowers	2.80
Planks	1.45
	<hr/>
Total	\$195.95
Balance unexpended	54.05
	<hr/>
	\$250.00

There have been 16 loads of ashes drawn and all necessary repairs made.

There have been eight burials during the year and one body removed from North Andover, Mass., to this yard.

Respectfully submitted,

GEORGE C. HARWOOD,

Superintendent.

TREASURER'S REPORT.

To the Trustees of Cemeteries:

GENTLEMEN,—I herewith present to you the annual report of the money received during the year ending December 31, 1903:

Pine Grove Cemetery.

	Interest.	Price of Lots.	Permanent Fund.	Total.
Francis M. Stearns		\$36.00		\$36.00
Otto Peterson		36.90		36.90
John A. Anderson		21.60		21.60
Jane R. Fraser		39.60		39.60
J. A. Lindquist		43.20		43.20
John A. Anderson	\$0.15	21.60		21.75
Mary J. Hazen		13.50		13.50
Oke E. Jackson	1.32	43.50	\$54.37	99.19
Gardner K. Browning		24.00	30.00	54.00
William Savacool .....	.59	22.18	27.74	50.51
Ruth A. Nichols		20.00	25.00	45.00
J. M. P. Bachelder		60.68	75.85	136.53
Sarah F. Way		20.00	25.00	45.00
T. Kittredge Hall		44.50	55.63	100.13
Margertha Lein .....	.48	20.00	25.00	45.48
Mary E. Plumpton .....	.25	31.86	39.82	71.93
Selma Shellenberg		20.00	25.00	45.00
Minnie Werner		20.00	25.00	45.00
August Knehnel		20.00	25.00	45.00
Mariah L. Moulton .....	.74	24.00	30.00	54.74
Joseph O. Dussault .....	.75	20.00	25.00	45.75
George E. Putney .....	.50	31.74	39.68	71.92
Mary C. Findlay		30.39	37.98	68.37
William M. Badger .....	.25	24.00	30.00	54.25
Charles F. Shepard		20.00	25.00	45.00
George H. Maxfield		20.00	25.00	45.00
O. H. Leavitt		20.00	25.00	45.00
George William Cheney	1.09	28.23	35.28	64.60
Martha Edgar .....	.42	20.00	25.00	45.42
Mary E. Ferren	1.90	46.80	58.50	107.20
Lizzie Seitz		20.00	25.00	45.00
Addie E. Shaw		20.00	25.00	45.00

Earle Payne	\$0.62	\$20.00	\$25.00	\$45.62
Alonzo W. Foster		20.00	25.00	45.00
Samuel J. Marsh		33.60	42.00	75.60
Estate John H. Proctor	47.78	72.00	198.00	317.78
Thomas Carlin	2.25	51.93	142.80	196.98
Susan A. Wiggin	7.97	95.94	287.83	391.74
Frances S. Adams and Leonora W. Tuttle		49.88	137.17	187.05
Mrs. L. A. Hubbard		26.25	72.19	98.44
Charles S. Davis		31.68	87.12	118.80
Abram Cass	2.00	32.87	90.41	125.28
Frank W. Avery		33.39	91.83	125.22
Albert B. Nicholson		32.80	90.20	123.00
William H. Pattee		54.35	149.47	203.82
Amariah Avery		36.50	100.38	136.88
Orra G. Kilton and Llewellyn T. Barnes	1.09	86.04	258.11	345.24
Charles F. Good and Jerusha Dodge .....	.99	47.89	131.68	180.56
Almeda M. Simons		32.27	88.76	121.03
James F. Brown		89.22	267.68	356.90
James H. Mendall	1.00	30.00	82.50	113.50
H. K. Libbey.....		46.80	128.70	175.50
Hattie I. Southwick .....	.49	28.82	79.27	108.58
Estate James M. Moore	1.85	94.90	284.70	381.45
Mary L. Varney	1.55	30.27	83.25	115.07
Byron H. Spreadbury		30.74	84.52	115.26
S. E. Tufts		40.20	110.55	150.75
Arthur E. Tinkham	1.00	28.82	79.27	109.09
George M. Reid		54.36	149.49	203.85
Ella M. Piper	1.50	29.81	82.01	113.32
Julia A. Cross	1.85	46.80	128.70	177.35
Emma C. Keith		86.56	259.67	346.23
Mrs. Lizzie Batchelder		10.00	8.00	18.00
Mrs. John B. Hall		10.00	8.00	18.00
Elizabeth Ott		10.00	8.00	18.00
Estate of Marie Holinquist		10.00	8.00	18.00
W. C. Beddell		10.00	8.00	18.00
Annie J. Thomas		10.00	8.00	18.00
Estate Hannah Bradley		10.00	8.00	18.00
Alfred H. Fisher		10.00	8.00	18.00
Henry A. Laxson		10.00	8.00	18.00
Interest	\$80.38			
Lots		\$2,368.97		
Permanent fund			\$4,750.11	
Total receipts				\$7,199.46

J. H. Erskine, superintendent	\$4,581.36
J. H. Erskine, superintendent Merrill yard	25.50
	<hr/>
	\$11,806.32

CR.

By amount transferred to cemetery fund:	
perpetual care lots	\$3,746.26
Hillside Lawn	931.85
Woodside Lawn	72.00
	<hr/>
	\$4,750.11
Treasurer's receipts	\$2,449.35
Superintendent's receipts	4,581.36
Superintendent's receipts, Merrill yard	25.50
	<hr/>
	\$11,806.32

Valley Cemetery.

To cash received from C. H. G. Foss, superintendent, for care of lots	\$1,829.95
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CR.

By superintendent's receipts	\$1,829.95
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Respectfully submitted,

FRED L. ALLEN,
Treasurer of Trustees of Cemeteries.

I hereby certify that I have examined the accounts of Fred L. Allen, treasurer of the trustees of cemeteries, and find the same are correctly cast and vouched for.

JAMES E. DODGE,
City Auditor.

To the Trustees of the Cemetery Fund:

GENTLEMEN,—I herewith submit to you the twenty-first annual report of the funds received and expenses paid to January 1, 1904:

Pine Grove Cemetery.

Amount of permanent fund on hand January 1, 1903.....	\$65,464.80
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RECEIPTS DURING THE YEAR.

From John Dowst	\$126.00
Cora B. Prescott and Flora A. Cleworth	128.00
John Moulton	120.00
J. A. V. Smith	144.00
J. A. V. Smith	144.00

From R. W. Bean	\$100.00	
C. C. Clifford, executor of estate Sarah W. Dearborn	140.40	
H. P. Simpson, executor estate Michael Prout	300.00	
Adam Feiler	100.00	
Sherman E. Burroughs, administrator estate Martha J. Emery, balance of bequest	52.20	
Mary Anderson	82.60	
Ellen G. Carvelle	144.00	
Lizzie A. Richardson	144.00	
John B. Bailey	144.00	
Frederick G. Stark	107.20	
James Reid	144.00	
Henrietta W. Goodwin, executrix estate Daniel P. Horne	100.00	
Hannah C. Marshall	140.00	
V. W. Fairbanks	120.00	
To amount transferred from Pine Grove ceme- tery, perpetual care lots.....	3,746.26	
single grave section	72.00	
partial perpetual care, Hillside Lawn.....	931.85	
		<hr/>
Total receipts		\$7,230.51
		<hr/>
Total amount of fund		\$72,695.31

CR.

By bonds on hand January 1, 1903	\$59,050.00	
bonds bought during year	5,000.00	
cash on hand	8,645.31	
		<hr/>
		\$72,695.31

INCOME ACCOUNT.

Income on hand January 1, 1903	\$3,129.51	
Interest coupons	2,735.00	
Interest Savings Bank deposit	267.11	
Interest Savings Bank deposit, Hillside Lawn	39.60	
Interest Savings Bank deposit, Woodside Lawn	.74	
		<hr/>
		\$6,171.96

EXPENSES PAID DURING THE YEAR.

George H. Wheeler	\$11.00
Gardner Nursery company	20.00
E. H. Clough, postmaster	10.60
P. J. Flood & Co.....	9.00
R. E. Wilson	72.00

E. A. Dunbar	\$66.00	
Manchester Hardware company	69.00	
Manchester Hardware company	28.75	
Brown Bros. & Co.....	24.45	
American Express Co.....	1.90	
A. P. Horne & Co.....	60.00	
Nutfield Press	7.50	
James Thompson	225.00	
James Thompson	106.50	
Edith A. Webster	175.00	
A. K. Hobbs	2.50	
R. L. Day & Co., premium on bonds.....	116.60	
John H. Erskine, superintendent, care of lots Hillside Lawn	46.95	
Charles A. Bailey	409.20	
John H. Erskine, superintendent	1,664.00	
	<hr/>	
Total expenses	\$3,125.95	
Cash income on hand	3,046.01	
	<hr/>	\$6,171.96

Valley Cemetery.

Amount of permanent fund January 1, 1903..... \$24,888.27

RECEIPTS DURING THE YEAR.

From M. R. Currier, executor estate S. Josephine Butterfield	\$380.00	
Mrs. Louisa P. Boyd	122.40	
Sarah F. Challis	104.80	
William Parker, Jr.....	122.40	
William Parker, Jr.....	122.40	
E. D. Abbott	100.00	
Frank E. Putney, executor estate Maria A. Putney	200.00	
Armenia Sawyer and Bertha F. Breen..	141.00	
	<hr/>	\$1,293.00
		<hr/>
		\$26,181.27

CR.

By bonds on hand January 1, 1903	\$24,500.00	
bonds bought during the year	1,000.00	
cash on hand	681.27	
	<hr/>	\$26,181.27

INCOME ACCOUNT.

Income on hand January 1, 1903	\$2,936.42	
Interest coupons	1,092.50	
Interest Savings Bank deposit	99.94	
	<u> </u>	\$4,128.86

EXPENSES PAID DURING THE YEAR.

R. L. Day & Co., premium on bonds.....	\$23.32	
C. H. G. Foss, superintendent, care of lots....	509.50	
Cash income on hand	3,596.04	
	<u> </u>	\$4,128.86

GALE FUND, VALLEY CEMETERY.

Income on hand January 1, 1903	\$143.17	
Interest from savings bank	5.62	
Interest from fund	12.16	
	<u> </u>	\$160.95

CR.

By cash paid C. H. G. Foss, superintendent ..	\$6.00	
cash on hand	154.95	
	<u> </u>	\$160.95

Merrill Cemetery.

Amount of fund January 1, 1903	\$487.89
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CR.

By bonds on hand	\$450.00	
cash on hand	37.89	
	<u> </u>	\$487.89

INCOME ACCOUNT.

Income on hand January 1, 1903	\$186.95	
Interest from savings bank	6.22	
Interest coupons	22.50	
	<u> </u>	\$215.67

CR.

By cash on hand	\$215.67
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Respectfully submitted,

FRED L. ALLEN,
Treasurer of Trustees of Cemetery Fund.

This is to certify that I have examined the books of accounts of Fred L. Allen, treasurer of the trustees of the cemetery funds, embracing the receipts and expenditures for the year 1903, and I find the same correct and properly vouched. I have also examined the securities in which said fund is invested and find as follows:

PINE GROVE CEMETERY.

20 city of Manchester 5 per cent bonds, Nos. 1, 2, 3, 5, 6, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 22, 23, 24, 26, 28, due in 1942; denominations \$1,000 each	\$20,000.00	
2 city of Manchester 5 per cent bonds, Nos. 1, 3, due in 1942; denominations \$500 each	1,000.00	
1 city of Manchester 5 per cent bond, No. 3....	50.00	
14 city of Manchester 5 per cent bonds, Nos. 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 14, 15, 16, 17, due 1913; denomination, \$1,000 each	14,000.00	
1 city of Manchester 5 per cent bond, No. 2, due 1913	500.00	
5 city of Manchester 5 per cent bonds, Nos. 1, 2, 3, 9, 10, due 1913; denomination \$100 each	500.00	
11 city of Manchester 3½ per cent bonds, due 1919; denominations \$1,000 each	11,000.00	
6 city of Manchester 4 per cent bonds, due 1909	6,000.00	
2 city of Manchester 4 per cent bonds, due 1916	2,000.00	
4 city of Manchester 3½ per cent bonds, due 1922	4,000.00	
5 city of Manchester 3½ per cent bonds, due 1919	5,000.00	
	<hr/>	\$64,050.00
Cash on deposit in Manchester Savings bank, Book No. 50420	\$3,419.65	
Cash on deposit in Mechanics Saving bank, Book No. 3413	6,041.81	
Cash on deposit in Mechanics Saving bank, Book No. 4407	2,141.12	
Cash on deposit in Mechanics Saving bank, Book No. 4522	88.74	
	<hr/>	\$11,691.32
Total amount permanent fund and income, December 31, 1903		\$75,741.32

VALLEY CEMETERY.

4 city of Manchester 5 per cent bonds, No. 1, 6, 11, 18, due 1913; denomination \$1,000 each	\$4,000.00
1 city of Manchester 5 per cent bond, No. 1, due 1913; denomination \$500 each.....	500.00

3 city of Manchester 5 per cent bonds, Nos. 6, 7, 8, due 1913; denomination \$100 each	\$300.00	
8 city of Manchester 5 per cent bonds, Nos. 4, 7, 12, 19, 20, 21, 25, 27, due 1942; denomination \$1,000 each	8,000.00	
2 city of Manchester 5 per cent bonds, Nos. 2, 4, due 1942; denomination \$50 each	100.00	
3 city of Manchester 4 per cent bonds, due 1916	3,000.00	
3 city of Manchester 3½ per cent bonds, Nos. 81, 93, 100, due 1919; denomination \$1,000 each	3,000.00	
6 city of Manchester 3½ per cent bonds, due 1922	6,000.00	
6 city of Manchester 5 per cent bonds, Nos. 3, 4, 5, 6, 7, 8, due 1942; denomination \$100 each	\$600.00	
	<hr/>	\$25,500.00
Cash on deposit in Guaranty Savings bank, Book No. 4257	\$2,074.70	
Cash on deposit in Amoskeag Savings bank, Book No. 68808	2,202.61	
	<hr/>	\$4,277.31
		<hr/>
Total permanent fund and income, December 31, 1903		\$29,777.31

MERRILL CEMETERY.

2 city of Manchester 5 per cent bonds, Nos. 4, 5, due 1913; denomination \$100 each	\$200.00	
2 city of Manchester 5 per cent bonds, Nos. 1, 2, due 1942; denomination \$100 each	200.00	
1 city of Manchester 5 per cent bond, No. 1, due 1942; denomination \$50	50.00	
Cash on deposit in Guaranty Savings bank, Book No. 5116	64.04	
Cash on deposit in Amoskeag Savings bank, Book No. 69517	189.52	
	<hr/>	
Total amount of fund and income December 31, 1903		\$703.56

GALE FUND.

Cash on hand in Amoskeag bank, Book No. 34108	\$154.95
Total amount of permanent fund and income on hand	\$106,377.14

JAMES E. DODGE.

City Auditor.

REPORT
OF THE
TRUSTEES OF THE SINKING FUND.

REPORT OF THE TRUSTEES OF THE SINKING FUND.

MANCHESTER, N. H.

To the City Councils of the City of Manchester:

GENTLEMEN,—As required by chapter 37, section 2. of the city ordinances of Manchester, the trustees of the sinking fund of the city of Manchester herewith report the condition of the several funds January 1, 1904, with receipts and payments for the year ending December 31, 1903.

H. P. SIMPSON,
CHARLES H. MANNING,
FRED L. ALLEN,
Trustees of the Sinking Fund.

To the City Councils of the City of Manchester:

GENTLEMEN,—I herewith transmit to you my report as treasurer of the sinking fund for the year ending December 31, 1903:

IMPROVEMENT LOAN.

DR.

Total amount of fund January, 1903, for the payment of improvement bonds	\$164,666.80	
Appropriation for 1903	20,000.00	
Income from interest on bonds	5,785.00	
Income from savings bank deposits	112.98	
	\$190,564.78	

CR.

Accrued interest and premium paid for bonds bought during the year	\$778.33	
Bonds on hand December 31, 1903	174,000.00	
Cash on hand December 31, 1903	15,786.45	
	\$190,564.78	

WATER LOAN.

DR.

Total amount of fund January 1, 1903, for the payment of water bonds	\$118,873.78
Water works, hydrant service, 1903	19,200.00

Water works, appropriation, 1903.....	\$5,000.00	
Income from interest on bonds	4,180.00	
Income from savings bank deposits	38.70	
	<hr/>	\$147,292.48

CR.

Premium and accrued interest paid for bonds bought during the year	\$647.03	
Bonds on hand December 31, 1903	133,000.00	
Cash on hand December 31, 1903	13,645.45	
	<hr/>	\$147,292.48

SCHOOL LOAN.

DR.

Total amount of fund January 1, 1903	\$12,291.83	
Income from interest on bonds	470.00	
Income from savings bank deposit	14.29	
Appropriation, 1903	2,000.00	
	<hr/>	\$14,776.12

CR.

Bonds on hand December 31, 1903	\$12,000.00	
Cash on hand December 31, 1903	2,776.12	
	<hr/>	\$14,776.12

CITY FUNDING LOAN.

DR.

Total amount of fund January, 1903.....	\$15,104.33	
Appropriation, 1903	5,000.00	
Income from interest on bonds	445.00	
	<hr/>	\$20,549.33

CR.

Premium and accrued interest paid for bonds bought during the year	\$380.37	
Bonds on hand December 31, 1903	14,000.00	
Cash on hand December 31, 1903	6,168.96	
	<hr/>	\$20,549.33

MUNICIPAL LOAN.

For the payment of bonds maturing July 1, 1922.		
To appropriation		\$4,000.00

CR.

By cash on hand December 31, 1903		\$4,000.00
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Respectfully submitted,

FRED L. ALLEN,
Treasurer of Sinking Fund.

REPORT OF THE TRUSTEES OF SINKING FUND. 467

This is to certify that I have examined the books of accounts of Fred L. Allen, treasurer of the trustees of the sinking fund, embracing the receipts and expenditures for the year ending December 31, 1903, and find the same correct and properly vouched. I have also examined the securities in which fund is invested and find as follows:

Bonds of the city of Manchester for the payment of improvement bonds:		
4 per cent, due 1907	\$9,000.00	
4 per cent, due 1908	10,000.00	
4 per cent, due 1909	11,000.00	
4 per cent, due 1910	10,000.00	
4 per cent, due 1913	15,000.00	
4 per cent, due 1914	6,000.00	
4 per cent, due 1915	27,000.00	
4 per cent, due 1917	16,000.00	
3½ per cent, due 1919	34,000.00	
3½ per cent, due 1922	36,000.00	
Cash on hand December 31, 1903	15,786.45	
	<hr/>	\$189,786.45

Bonds of the city of Manchester for the payment of water bonds:		
4 per cent, due 1907	\$6,000.00	
4 per cent, due 1909	12,000.00	
4 per cent, due 1910	6,000.00	
4 per cent, due 1913	1,000.00	
4 per cent, due 1914	18,000.00	
4 per cent, due 1915	17,000.00	
4 per cent, due 1916	11,000.00	
4 per cent, due 1917	22,000.00	
3½ per cent, due 1919	23,000.00	
3½ per cent, due 1922	17,000.00	
Cash on hand December 31, 1903	13,645.45	
	<hr/>	\$146,645.45

Bonds of the city of Manchester for the payment of school bonds:		
4 per cent, due 1909	\$3,000.00	
4 per cent, due 1910	2,000.00	
4 per cent, due 1914	2,000.00	
4 per cent, due 1915	2,000.00	
4 per cent, due 1916	1,000.00	
3½ per cent, due 1919	2,000.00	
Cash on hand December 31, 1903	2,776.12	
	<hr/>	\$14,776.12

For the payment of city funding bonds:		
3½ per cent, city of Manchester bonds, due 1922	\$14,000.00	
Cash on hand	6,168.96	
	<hr/>	\$20,168.96

For the payment of Municipal Loan bonds, maturing July 1, 1922:		
Cash on hand		\$4,000.00
		<hr/>
		\$375,376.98
Total amount of bonds in sinking fund	\$333,000.00	
Total amount of cash in sinking fund	42,376.98	
	<hr/>	\$375,376.98

JAMES E. DODGE,
City Auditor.

REPORT OF THE CITY SOLICITOR.

REPORT OF THE CITY SOLICITOR.

To the City Councils:

I present herewith my report as solicitor for the year 1903:

Since my last report several new cases have been brought against the city, though none of them is of great magnitude.

The case of *Stone v. Manchester* was settled out of court for a nominal sum. The case of *Clair v. Manchester* was decided against the city by the supreme court, before whom the agreed facts were submitted.

Skinner v. Manchester upon facts agreed was decided adversely to the city. The case of *McLaughlin v. City* was settled out of court, as were several other minor claims after the decision in *Clair v. Manchester*.

Ray Brook Garden Company v. Manchester, after a lengthy jury trial, was decided against the defendant and steps have been taken to transfer the case to the supreme court upon questions of law.

Connor v. Manchester and *Wiggin v. Manchester* are now before the supreme court upon law questions.

Various other claims growing out of alleged defective highways and for damages caused by change of grade are pending.

The suit brought by the Amory Manufacturing Company *v. Manchester* for an abatement of plaintiff's tax has been withdrawn by plaintiff.

Respectfully submitted,

GEORGE A. WAGNER,
City Solicitor.

FEBRUARY 6, 1904.



REPORT OF THE CITY PHYSICIAN.

REPORT OF THE CITY PHYSICIAN.

To His Honor the Mayor and the Board of Aldermen:

I respectfully submit the following report as to duties performed by me as physician for the city of Manchester for the year of 1903:

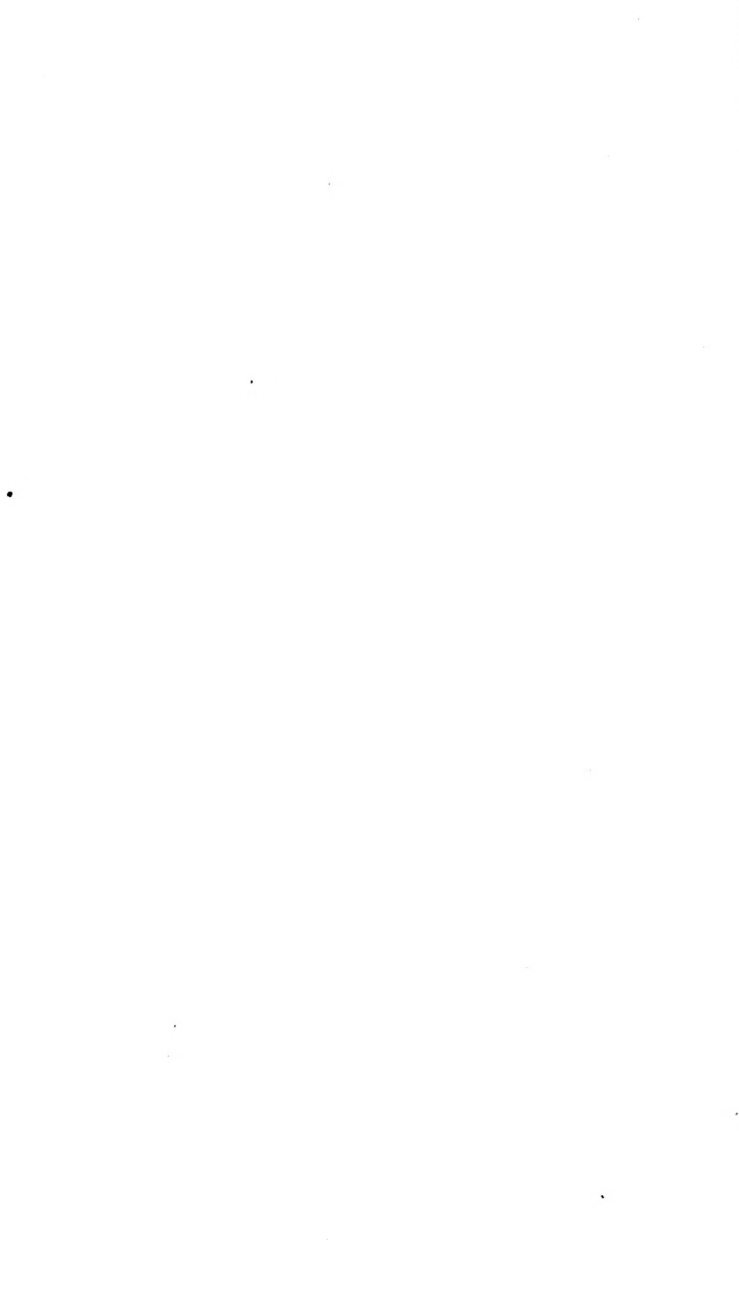
As according to my record:

Calls for ordinary diseases	500
Number inspected for smallpox	150
Cases of smallpox discovered	51
Visits to smallpox patients	357
Accidents	15
Calls at police station	100
Cases minor surgery	25
Cases major surgery	4
Office treatments	95
Calls at city farm	20
Visits to diphtheria patients	120
Administered antitoxin times	31
Consultation for insane persons	4
Obstetric cases	4
Total calls	1,476

There were also numerous calls answered by me to persons who thought the city physician was at anyone's service.

Yours respectfully,

JOHN H. DeGROSS.



REPORT OF INSPECTOR OF BUILDINGS.

REPORT OF THE INSPECTOR OF BUILDINGS.

OFFICE OF THE INSPECTOR OF BUILDINGS.

MANCHESTER, N. H., December 31, 1903.

To His Honor the Mayor and the Board of Aldermen:

The fifth annual report of the inspector of buildings is herewith submitted:

The number of permits issued for new buildings during the year 1903 was 118, the estimated cost of which was \$343,855.

The number of permits issued during the year for alterations and repairs was 155, the estimated cost of which was \$205,645.

Number of permits refused during the year was two.

Number of buildings condemned for use during the year, four, three of which have been taken down.

Respectfully submitted.

EDWIN S. FOSTER.
Inspector of Buildings.

REPORT
OF THE
TRUSTEES OF THE CITY LIBRARY.

REPORT OF THE TRUSTEES OF THE CITY LIBRARY.

To the City Councils of the City of Manchester:

The Trustees of the City Library respectfully submit their fiftieth annual report of the affairs of the library, and with the same the report made to them by the treasurer of the board, containing an account of the amounts received and the expenditures made by him in behalf of the board from the funds in their possession and under their control.

From the treasurer's report it appears that during the year the sum of one thousand four hundred and sixteen dollars and sixty-six cents has been expended for the purchase of books, and the sum of one hundred and ninety-five dollars for the purchase of periodicals, making a total expenditure for both these purposes of one thousand six hundred and eleven dollars and sixty-six cents.

Of the amount expended for the purchase of books the sum of one hundred and fifty-two dollars and forty-seven cents was used for the purchase of books to replace those worn out and heretofore withdrawn from circulation, and the sum of two hundred and ninety dollars and sixty-five cents was taken from the income of the Dean fund and used for the purchase of books for that department of the library. Exclusive of these two amounts, the sum expended for the purchase of new books, was nine hundred and seventy-three dollars and fifty-four cents, leaving a balance in the hands of the treasurer at the end of the year, of the amounts appropriated by the city councils for the purchase of books, of nine hundred and eighteen dollars and fifty-nine cents.

The balances of the accumulated income of the several funds under the control of the trustees at the close of the year were as follows:

Dean fund	\$8,331.08
Mary E. Elliot fund	1,750.10
Eliza A. Eaton fund	893.55

During the year eighty-five volumes were purchased from the Dean fund at a cost, as above stated, of two hundred and ninety dollars and sixty-five cents. No purchases have been made from the Mary E. Elliot fund as the trustees have been unable to secure from the city councils funds sufficient to meet the expense for the proper shelving and care of books pertaining to medicine apart from the books intended for general circulation.

The incidental expenses of the library for the past year have been five thousand three hundred and ten dollars and eleven cents. The amount appropriated by the city councils for the incidental expenses of the library, not including the one thousand dollars for books, was four thousand eight hundred and two dollars, showing an excess of expenditure over the amount appropriated for the year, notwithstanding great economy was used and many things greatly needed dispensed with, of five hundred and eight dollars and eleven cents.

The items of these expenditures, the bills for which have been paid by the city treasurer, upon approval by the trustees, from the sum appropriated by the city councils, may be found in detail in the annual report of the city.

During the past year the library has been open for the delivery of books three hundred and five days, two days less than the year previous, during which time seventy-four thousand three hundred and seventy-seven books were delivered for home use, an average of about two hundred and forty-five per day. In addition to the above number delivered for general circulation, thirty thousand and six hundred and sixty-four books were delivered for use in the reading room at the library, being an average of about one hundred per day. The total number of books delivered for general circulation and for use in the reading room was one hundred and five thousand and forty-one, an average of about three hundred and forty-four per day.

As compared with the year preceding the circulation for home use shows a decrease of two thousand three hundred and thirty-eight, while the number delivered for use in the reading room shows an increase of nine hundred and ninety-seven. The total circulation was one thousand and three hundred and forty-one less than that of the previous year. The above figures do not include books delivered for use at the library on Sundays.

The reading room at the library has been open each Sunday during the year from eleven o'clock in the forenoon to five o'clock in the afternoon, at an expense, excluding lighting and heating, of two hundred and forty-six dollars and sixty cents.

The total attendance during the year was two thousand and seven hundred and seventy, of which number six hundred and twenty-one were men, one hundred and ninety-three were women, and one thousand nine hundred and fifty-six were children. The average attendance per Sunday was about twelve for men, about four for women, and for children about thirty-seven. The total average attendance was about fifty-three per Sunday.

The total number of volumes delivered for use at the reading room during the fifty-two Sundays was four thousand three hundred and sixty-six.

As compared with the preceding year the attendance shows an increase of six hundred and forty-seven, of which one hundred and

seventy-two was from men, seventy-eight from women, and three hundred and ninety-seven from children. The number of books used at the library on Sundays shows an increase of four hundred and thirty-four over the number reported for the year previous.

The number of volumes in the library at the date of the last report, including maps and pamphlets, was forty-eight thousand eight hundred. There have been added during the year by purchase, six hundred and sixty-seven volumes, five hundred and sixty-six volumes by donation and one hundred and nineteen volumes of periodicals have been bound, a total of one thousand three hundred and fifty-two volumes, making the number of bound volumes in the library at the close of the year forty-nine thousand four hundred and thirty-four, and the total number, including sixteen maps and seven hundred and two pamphlets, fifty thousand one hundred and fifty-two.

The number of periodicals regularly received at the library during the past year was one hundred and twenty-five, seventy-four by purchase and fifty-one by gift, and on the completion of the several volumes they have been bound and placed on the shelves of the library for general circulation.

Two hundred and fifty-three volumes were withdrawn from circulation during the year, having become so defaced and worn as to be unfit for further use. Of these and of others retired from circulation in previous years for the same reasons, one hundred and seventy have been replaced at a cost, as previously stated, of one hundred and fifty-two dollars and forty-seven cents.

The trustees deem it proper to again call to the attention of the city councils this continued and increasing expense yearly incurred for the purchase of books to replace those worn out and withdrawn from circulation. As stated in our last report about one hundred dollars has been expended on the average each year for the past ten years for this purpose.

The annual appropriation for books and periodicals is only one thousand dollars. Of this sum about two hundred dollars is paid for periodicals. If, in addition to this, the trustees are compelled to pay out each year at least one hundred dollars for the purpose of replacing worn out books, only seven hundred dollars would be left in their hands to be applied to the purchase of new books for the library. The trustees earnestly hope that the city councils will give the subject careful attention and make an addition to the usual appropriation for books, which can be used by the trustees to replace more rapidly such worn out books as are most frequently called for by the patrons of the library.

At a meeting of the trustees held at the beginning of the year the matter of securing an appropriation from the city councils for the purpose of aiding in establishing a children's reading room at the library

was referred to a committee of the board, consisting of the chairman and clerk with instructions to ask the city councils for the sum required for the purpose. This committee presented the subject to the proper committee of the city councils, but no appropriation was made.

As stated in the last report the trustees intended to have printed during the year one or more subject titles from the card catalogue, but owing to delay in arranging the material for publication the trustees, much to their regret, were not able to carry out their purpose. It is hoped that this catalogue may be printed in the near future.

Annexed to this report is a list of the names of those persons who have made donations of books or periodicals to the library during the year, with the number presented by each. The trustees have caused due acknowledgment to be made in behalf of the city to all who have so generously contributed to the increase and usefulness of the library.

The librarian, Miss F. Mabel Winchell, has continued in her position during the year and has manifested an earnest effort to increase the circulation of the library and add to its usefulness to the public.

The trustees again desire to return their acknowledgments to the members of the city councils for the courtesy and consideration with which their suggestions have been received.

MARCH 4, 1904.

In board of trustees read and approved, and ordered to be signed by the chairman and clerk of the board, and transmitted to the city councils.

EUGENE E. REED,

Mayor.

N. P. HUNT,

Clerk.

TREASURER'S REPORT.

To the Board of Trustees of the City Library:

The treasurer of the board submits the following account of the receipts and expenditures by the board of the funds received on account of the library:

			DR.
1903.			
Jan. 1.	To balance of appropriation	\$971.22	
Mar. 27.	appropriation for books for 1903	1,000.00	
Dec. 15.	F. Mabel Winchell, balance of fines, etc.	238.58	
	F. Mabel Winchell, for cata- logues sold	7.10	
	F. Mabel Winchell, for books lost	22.70	
		\$2,239.60	\$2,239.60
Jan. 1.	To balance of income of Dean fund	\$8,244.46	
July 1.	income of Dean fund	91.00	
	interest on accumulation of in- come	102.84	
	interest on accumulation of in- come	137.62	
Oct. 1.	income of Dean fund	37.80	
	interest on accumulation of in- come	8.01	
		\$8,621.73	\$8,621.73
Jan. 1.	To Mary E. Elliot fund	\$2,000.00	
	balance of interest	1,682.57	
Oct. 1.	interest to October 1, 1903	36.00	
	interest on accumulation of in- come	31.53	
		\$3,750.10	\$3,750.10
Jan 1.	To Eliza A. Eaton fund	\$3,000.00	
	balance of interest	823.44	
Oct. 1.	interest to October 1, 1903.....	54.00	
	interest on accumulation of in- come	16.11	
		\$3,893.55	\$3,893.55
		\$18,504.98	\$18,504.98

1903.		CR.	
Jan.	6.	Paid Commonwealth of Massachusetts, books	\$3.25
		H. W. Wilson, books	3.00
	8.	Houghton, Mifflin & Co. (Dean fund), books	50.00
	15.	G. W. Browne, books	12.00
	19.	Buffalo public library, books	.31
		Evanston public library, books	.10
		Little Brown & Co., books..	6.00
	20.	W. H. Guild & Co., periodicals	1.25
	22.	Little Brown & Co., books....	3.50
		Lawyers Co-operative Publishing Co., books	5.00
	25.	Little, Brown & Co., books...	2.00
Feb.	5.	Boston Society Natural History, books	12.00
	12.	W. B. Clarke Co., books.....	187.35
		W. B. Clarke Co. (Dean fund), books	2.85
		W. B. Clarke Co., replaced books	94.48
		Boston Book Co., periodicals..	5.00
Mar.	14.	W. B. Clarke Co., books....	82.28
		W. B. Clarke Co. (Dean fund), books	18.80
		W. B. Clarke Co. replaced books	6.76
	27.	A. S. Clark, books	3.07
	28.	Cumulative Index Co., books	5.00
April	1.	Essex Publishing Co., books..	5.00
	11.	W. B. Clarke Co., books	21.00
	16.	Geo E. Littlefield, books.....	7.43
	23.	Little, Brown & Co., books..	5.00
May	9.	W. B. Clarke Co., books.....	103.66
		W. B. Clarke Co, replaced books	11.22
		Little, Brown & Co., books....	2.00
June	6.	Publishers Weekly, books....	3.75
	8.	W. B. Clarke Co., books	91.72
		W. B. Clarke Co., replaced books	25.36
	20.	Temple & Farrington Co., books .....	.50
	22.	Granite Monthly Co., books...	5.00
		Publishers Weekly, books.....	4.50

Cr.

July	11.	Paid Little, Brown & Co., books...	\$1.50	
		W. B. Clarke Co., books.....	115.28	
		W. B. Clarke Co. (Dean fund), books	20.90	
		W. B. Clarke Co., replaced books	8.85	
Aug.	12.	W. B. Clarke Co. (Dean fund), books	141.55	
	14.	W. B. Clarke Co., books	13.67	
	26.	Little, Brown & Co., books...	2.00	
	27.	American School of Corre- spondence (Dean fund), books	32.50	
Sept.	15.	W. B. Clarke Co., books	85.46	
		W. B. Clarke Co., replaced books	1.25	
Oct.	3.	Concord History Commission, books	5.00	
	13.	Little, Brown & Co., books...	2.50	
		W. B. Clarke Co., books	9.90	
		W. B. Clarke Co. (Dean fund), books	15.03	
Nov.	6.	Little, Brown & Co., books...	1.50	
		Commonwealth of Massachu- setts, books	3.25	
	24.	Chas. P. Hubbard, books	1.60	
	25.	W. B. Clarke Co., books	126.48	
Dec.	9.	Little, Brown & Co., books ..	1.50	
		W. B. Clarke Co. (Dean fund), books	9.02	
	16.	W. B. Clarke Co., books....	29.48	
		W. B. Clarke Co., books	4.55	
		W. H. Moore, periodicals	188.75	
				\$1,611.66
Dec.	31.	By balance of appropriation		918.59
		balance of Dean fund income.....		8,331.08
		balance of Elliot fund and interest		3,750.10
		balance of Eaton fund and interest		3,893.55
				<hr/>
				\$18,504.98

The expenditures for the incidental expenses of the library for the year ending December 31, 1903, the bills for which have been paid through the office of the city treasurer upon approval by the committee on accounts of the board of trustees, the detailed items of which will be found in the annual report of the city, have been as follows:

Services of librarian	\$1,000.00
Services of assistants to librarian	1,044.58
Reclassification and cataloguing	884.08
Fuel	601.43
Electricity	528.60
Gas	4.53
Binding	270.73
Rebinding	242.23
Insurance	125.00
Supplies	234.03
Water	13.62
Cleaning	87.92
Printing trustees' report	15.00
Sunday opening of library	246.60
Incidentals	11.76
	<hr/>
	\$5,310.11
	<hr/> <hr/>

RECAPITULATION.

Balance December 31, 1903.....	\$2,717.08	
Balance of appropriation for Sunday opening	60.50	
	<hr/>	\$2,777.58
Appropriation for 1903		5,802.00
		<hr/>
		\$8,579.58
		<hr/> <hr/>
Paid trustees for purchase of books.....	\$1,000.00	
Paid incidental expenses	5,310.11	
Balance of appropriation	2,269.47	
	<hr/>	\$8,579.58
		<hr/> <hr/>

Respectfully submitted,

N. P. HUNT,

Treasurer of Trustees of City Library.

DECEMBER 31, 1903.

We have examined the foregoing report and find the same correctly cast and properly vouched.

EUGENE E. REED, *Mayor.*

WALTER M. PARKER,

Committee on Accounts of City Library.

DECEMBER 31, 1903.

I certify that I have examined the several items of receipts and expenditures embraced in the foregoing report of the treasurer of the trustees of the city library, and find the same correctly cast and properly vouched.

JAMES E. DODGE,

City Auditor.

LIBRARIAN'S REPORT.

To the Trustees of the City Library, Manchester, N. H.:

GENTLEMEN,—The fiftieth annual report of the city library is herewith presented.

Half a century in the service of the people is a record of which to be proud. Such is the history of the city library. Started in 1854 by the gift to the city of the library of the Manchester Athenæum it has grown in size and usefulness through the years.

It now contains many valuable books and pamphlets some of which could not be replaced if lost by fire. It would, therefore, seem a safe precaution in view of the nearness of the library to other buildings, to have a vault, in which to keep some of the rarest of its treasures.

CIRCULATION.

The circulation for home use, while over two thousand more than in 1901, is over two thousand less than for 1902. This means an average issue of eight volumes less per day than during the previous year. It is to be expected that the circulation of a library in a growing city should increase year by year. Failing to do this it is natural to look for a cause. During the year the Tabard Inn, which formerly had admitted no members for less than three dollars, made possible a membership at \$1.50. Many availed themselves of this lower rate and were doubtless able to procure the late books with less delay than at the library. This may have been one cause; another may have been the lack of a bulletin. As was stated in the last report, the bulletin which the library had issued for some time ceased publication during the latter part of 1902. Since then we have had no way of notifying our patrons of the books added to the library, excepting through the daily papers. We are very grateful to the papers for this assistance and realize that it has been a great help to us, but it comes far short of supplying our need. In order to do efficient work we should have a bulletin which we can place in the hands of our borrowers, one convenient in size, attractive in appearance, suitable to take to the homes and keep on file.

READING ROOM.

The use of the reading room has continued to increase, the circulation for 1903 being about one thousand larger than for 1902. This in-

crease is largely, if not wholly, due to the growing numbers of children who frequent the library. It has been no unusual thing to have thirty, forty, or fifty children in the reading room at a time. This emphasizes again the insistent need of a room and an attendant for the children. This is desirable as well for the grown people as for the children. At present the reading room is often turned into a children's room by sheer force of numbers. We want the children to come; it is right that they should come, but the grown people also have rights which should be considered. When the room is filled with children, what with the coming and going, the passing to and from the desk with books, and the turning of leaves, to say nothing of the condition of air at such times, it is next to impossible that any one should carry on any serious study or any very thoughtful reading. It would seem that some provision for the adults should be made until a separate room for the children becomes possible. Even an attendant for the reading room would ameliorate matters greatly. We have said it is right that the children should come, but having come, do we not owe them guidance in their reading and training in the use of books? It is impossible with the number of assistants now employed to give them the attention which they need. The busy attendant at the desk is obliged to wait on all with as much despatch as possible that none may be obliged to wait longer than necessary. It is impossible in a large majority of cases for the attendant who gives a book to a child to see that the child handles it properly. The book is taken very likely to the farther part of the reading room, the assistant must immediately give his attention to the next comer. What seems to be needed is someone to be in the reading room all the time out of school hours, to become acquainted with the children, to study their tastes and their habits, to try to teach them to care for and respect books, and to help them in their selection of reading. Such a person could prevent much of the careless handling which wears books out so fast, and of the mutilation of books, several instances of which have occurred during the year. She could also "nip in the bud" any disturbances which might arise, and consequently secure a greater degree of quiet than is now possible with the supervision from behind the desk. She could also be very helpful to the adults who need explanation and direction in the use of the catalogues. I believe the right person in this place would fully double the usefulness of the reading room and I respectfully urge earnest consideration of this matter.

Several changes have been made in the arrangement of the reading room which it is thought are in the line of improvement. In March the card catalogue was moved from the central part of the room to the western end, thus obtaining the light from the western windows and requiring far less artificial light, for even on dark days such as required the use of electricity all day in its former place, the cards can be comfortably read by the light from the windows. This change of position also served to break up a corner where boys and girls liked

to congregate, being somewhat hidden by the catalogue case. About this time the reading room tables were rearranged. One was placed in the center of the room where the statue of Lincoln stood previous to its removal last year. This made the southern part of the reading room less crowded and increased the seating capacity.

It was in this month also that a few more open shelves were added, and on March 27 a bulletin board was put up. On this board have been noted great events of history, birthdays of distinguished people, lists of books on different topics, and various other matters of interest.

REGISTRATION.

The number of borrowers registered during the year was 552. We have no way of telling how many persons are now using the library. In order to do this a new registration every few years would be necessary. This is now customary in cities as the changing population makes it impossible otherwise, to keep the list from carrying a great mass of dead names. In order that our list may be freed from such names, and that we may be able to know how many persons are using the library, I would respectfully urge that a new registration be begun soon.

CATALOGUING, ETC.

In addition to the cataloguing of the new books as they have been added to the library, the class of English and American literary history has been analyzed. This analytical work is slow and requires much time and labor but it is well worth the cost, for it makes the books many times more useful and in the end saves much time. It is hoped that in the coming year we may be able to do much more of this valuable work.

On the first of October the analytical work was stopped to begin on the preparation of a finding list of the classes History and Geography and travel. The copying of the class History, requiring more than six thousand cards, is already done. The rest awaits completion in the coming year.

The catalogue cards from the Library of Congress continue to be very satisfactory.

WORN-OUT BOOKS.

The half-century mark in the library's history naturally suggests a look backward. It appears from the records that at the date of transfer from the Manchester Athenæum the library contained 2,953 volumes. During the fifty years since then there have been added 47,199 volumes, an average of 944 volumes per year. This does not include the purchase of such books as have been gotten from time to time to replace those which have worn out. As a library grows in years and in volumes the number of books which need to be discarded as unfit for further service increases. This larger outgo bespeaks an increased income, that the library may not deteriorate. Without it it is inevita-

ble that the library must suffer, either in the purchase of new books or in the renewal of those which have become unfit for use.

INVENTORY.

Last year we reported forty volumes missing. Nine of these, or about one quarter of the number, have been found and one has been replaced by gift. Of those still unaccounted for five are fiction and twenty-six non-fiction, fourteen juvenile and seventeen not juvenile.

The inventory this year shows sixty-nine volumes missing, forty-four of which are fiction and twenty-five non-fiction. The majority of these books are such as have been placed on the open shelves and probably have been taken from there, some by mistake without charging, others by intent. Those taken by mistake will doubtless be returned in course of time, and some of the others may be returned. It is a matter of much regret that any books should disappear in this manner, but it is nothing peculiar to this library. Nor is the number of volumes large compared with the losses of other libraries. It is probable that less volumes would be found wanting each year were all the books kept strictly out of reach of the public except as called for individually. Nevertheless, history shows that even with this method some volumes will be missing, and it is true beyond a doubt that many books would lose in this way a large share of their usefulness. The reading room attendant recommended in the earlier part of this report would doubtless help much towards regulating this matter.

EXHIBITIONS.

The picture exhibitions begun last year have been continued this year with greater frequency. Twelve different loan collections have been exhibited as follows: Five cent Perry pictures; photographs of India; photographs of Rome; colored pictures of local birds; photographs illustrating English, French, Dutch, and Italian schools of art; colored pictures of flowers, minerals, etc.; specimen work from the public kindergarten; colored pictures of fishes; colored pictures of unfamiliar birds; water color paintings by local artists; drawings by high school pupils; and photographs of madonnas, nativities, and the holy family. Some of these exhibitions have attracted a goodly number of people to the library, and many expressions of appreciation and enjoyment have been heard.

The Historic Art club of the city has kindly offered the library the use of its fine collection of photographs and several individuals becoming interested have loaned pictures from their private collections.

SCHOOLS.

There has been a slight increase in the number of books issued to teachers for school use during the year, but the most encouraging feature of the work with the schools has been the desire expressed by the principals and one or two teachers of two of the schools to bring

their scholars into closer acquaintance with the library. With this end in view your librarian was asked to address the pupils of these schools. The first talk was given in October to the eighth and ninth grades of the Hallsville school, and was principally on the use of the library. In November the eighth and ninth grades of the Ash-street school were spoken to on the same subject, and a few weeks later the sixth and seventh grades were given a talk on books. The effect of these talks was seen almost immediately in the increased use of the library by the pupils of these schools. The books mentioned in the talks were called for and the good which might be done by a children's librarian who should guide the children in their reading was demonstrated in a small way.

SUNDAY OPENING.

There has been an increase in the use of the library on Sundays. In 1902 there were 2,123 persons used it, while in 1903 there were 2,770, an increase of 647. By far the larger part of this increase came in the hours from eleven to one, the visitors for that period having more than doubled during the year. The average attendance per Sunday, exclusive of the summer months, was 64, but for June, July, and August it was only 20. This would seem to raise the question as to whether it were worth while to keep the library open during the warm months, and how many visitors would make it worth while.

REQUEST SYSTEM.

The request system, inaugurated last year, still continues in favor with the public, if one may judge by the number who make use of it. One thousand one hundred and seventy-three paid requests were left this year and certainly as many more unpaid ones, of which no record is kept.

The use of the study pockets has grown steadily from the first and many expressions of appreciation of this privilege have been heard from the borrowers.

GIFTS.

Last year we recorded a goodly number of magazines given to the library and that from these magazines we were able to add forty bound volumes to our shelves. This year the people of Manchester have continued their interest and generosity and have donated, besides some books and pamphlets, 2,259 numbers of unbound magazines. From these and those left over from last year we have succeeded in completing 144 volumes.

These bound volumes of the magazines are a veritable storehouse of information, the key to which is found in the periodical indexes. The library still lacks many volumes and sets of periodicals which would add much to its usefulness, and it is hoped that the people of Manchester will continue their generous giving. One of the notable gifts of the year was the portrait of Mr. Lucien B. Clough given by Mrs. Lucien B. Clough and Albert L. Clough.

STAFF.

During the year two assistants have left and unusual difficulty has been experienced in finding suitable young men to fill the vacancies. In August we succeeded in getting one, but only temporarily, as he was obliged to leave us in November. The last of November we secured another but are still one member short. To help out this deficiency we have employed the services of high school boys, but as they can come for only a part of the afternoon or evening it does not wholly answer our need.

Miss Alice Furber, who came into the library in the fall of 1902 as a pupil assistant, staid with us until the summer of 1903. She is now taking the library course at Simmons college. One other pupil assistant, Miss Minnie Putney, entered the library in the spring. In the summer she took the course at the Amherst Summer School of Library Economy and is now an assistant in the Taunton (Mass.) public library.

The weekly staff meetings begun last year have been continued throughout this year with the exception of the summer months.

It is a pleasure to report that several of the assistants and your librarian attended the annual meeting of the New Hampshire Library association which was held at Concord this year, but it is reported with regret that no one from the library attended the national meeting. It is believed that it would be for the interest of the library to grant the assistants time to attend state and national library meetings.

The librarian desires to express her indebtedness to the trustees, the members of the staff, the newspapers, those who have made donations, to all who have in any way contributed to the usefulness and growth of the library.

Respectfully submitted,

F. MABEL WINCHELL,

Librarian.

 APPENDIX I.

Accessions.

Increase by purchase	667
Increase by gift	566
Increase by binding periodicals	119
Total accessions for the year	1,352
Number of volumes in library as last reported	48,800
Whole number of accessions	50,152
Worn out volumes withdrawn from circulation	253
Number of volumes replaced	170
Number of volumes lost or injured and paid for	22

Number of volumes lost and not yet paid for	4
Number of volumes burned by the board of health on account of contagious diseases	5
Number of magazines subscribed for	65
Number of magazines given	47
Number of newspapers subscribed for	4
Number of newspapers given	9
Total number periodicals received	125

APPENDIX II.

Circulation and Registration.

Number of days library was open	306
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RECORD, BY CLASSES, OF VOLUMES ISSUED.

	No. vols.	Per cent.
General works	2,748	3.7
Philosophy and religion	1,306	1.8
Biography	2,416	3.2
History	2,846	3.8
Geography and travels	2,149	2.9
Social sciences	779	1.1
Science and useful arts	3,338	4.5
Fine arts	1,513	2.0
Literature	3,024	4.1
Fiction	54,012	72.6
Pictures	246	.3

Total number issued for home use 74,377

Average daily use (home)	243
Largest number any one day	562
Smallest number any one day	114
Largest number any one month	7,502
Smallest number any one month	5,196
Number of volumes delivered in reading room	30,664
Average daily use	100
Total circulation for 1903	105,041
Number of volumes issued to teachers	1,508
Number of borrowers to whom study pockets were first issued during 1903	412

Registration.

Number registered in 1903	552
Whole number issued since beginning last registration, 1880	14,825
Number of borrowers on deposit	33

APPENDIX III.

Miscellaneous Statistics.

Number of books classified	1,188
Number of books catalogued	1,298
Cards written for analyticals	1,494
Cards written for finding list	6,336
Number of volumes repaired at bindery	1,273
Number of volumes repaired and covered at the library	23,728
Postals sent to delinquents	709
Reserve notices paid for	1,173

Sunday Statistics.

ATTENDANCE.

	Men.	Women.	Children.	Total.
Average per Sunday	621 12.	193 3.7	1,956 37.7	2,770 534

CIRCULATION.

General works	2,520
Philosophy and religion	67
Biography	21
History	83
Geography and travels	41
Social sciences	45
Science and useful arts	137
Fine arts	26
Literature	764
Fiction	662
Total	4,366

APPENDIX IV.

Receipts from Fines, etc., from December 1, 1902, to December 1, 1903.

Received from fines	\$295.72
catalogues sold	7.10
books lost and paid for.....	22.70
reserve notices	20.78
miscellaneous sales	9.53
	\$355.83
Paid for expressage and incidentals	87.45
Paid to treasurer	\$268.38

APPENDIX V.

Donations to Library, 1903.

	Books. Pamphlets. Magazines.	
Abbot Public Library, Marblehead, Mass..	1	
Abbott, Mrs. O. D.		35
Aberdeen, Scotland.—Public Library	1	
Adriance Memorial Library, Poughkeepsie, N. Y.	1	
Aguilar Free Library, New York City.....	1	
American Congregational Association	1	
Amherst College	1	
Ancient and Honorable Artillery Company.	1	1
Armstrong, Mrs. H. R.		30
Baker, H. M.		2
Balch, T. W.	1	
Barker, E. F.		13
Batchellor, A. S.		2
Beard, M. E.		13
Bigelow Free Public Library, Clinton, Mass.	1	
Birmingham, Eng.—Free Libraries Commit- tee	2	
Bolton, Mrs. S. K.	1	
Boston, Mass.—Public Library		2
Bridgeport, Mass.—Public Library		1
Brookline, Mass.—Public Library		1
Brown, M. E.		9
Brown University		1
Browne, G. W.		1
Burlington, Iowa.—Free Public Library ..		2
California.—Board of Agriculture		1
Cambridge, Mass.—Public Library		1
Campbell, B.	8	55
Carnegie Library, Pittsburg, Pa.....	1	
Carvelle, H. DeW.	2	556
Chalmers, T.	1	
Channing, W.		2
Chicago, Ill.	1	
Chicago, Ill.—Public Library		4
Children's Aid Society, New York City		1
Christian Science Reading Room Association	1	
Church Kalendar Company		1
Clark, R. U.	1	
Clough, Mrs. L. B. and A. L., 1 portrait.		
Columbia University		1
Concord, Mass.—Free Public Library	2	

	Books.	Pamphlets.	Magazines.
Concord, N. H.—Public Library		1	
Conn, G. P.	1	1	
Cross, Mrs. D.			393
Dartmouth College	1		
Delaney, Rev. J. B.			49
Depew, C. M.		2	
Detroit, Mich.—Public Library		1	
District of Columbia.—Public Library		2	
Dodge, A. W.			10
Dodge, J. E.	6		
Dover, N. H.—Public Library		1	
Dumont, H. D.		1	
Dustin, E.			11
Eames, Mrs. W. M.			12
Enoch Pratt Free Library, Baltimore, Md		1	
Erie, Pa.—Public Library		1	
Evanston, Ill.—Free Public Library		1	
Fairmount Park Art Association, Philadel- phia, Pa.		1	
Farmer, C.			115
Farmer, Mrs. I. W.	2		
Farnsworth Company	1		
Farquhar, D.	1		
Fellows, J. W.	1		
Fletcher Free Library, Burlington, Vt.....		1	
Forbes Library, Northampton, Mass.....		1	
Friends' Free Library, Germantown, Pa.....		1	
General Theological Library, Boston, Mass.		1	
Goodrich, B.			13
Grand Rapids, Mich.—Public Library		1	
Hadley, Mrs. C. J.			54
Hall, R.			12
Hallsville School	4		
Harper & Bros.	1		
Harvard College	1	1	
Heath, Mrs. C. B.			91
Heginbottom Free Library, Ashton-under- Lyne, Eng.		1	
Hillsborough County Commissioners		1	
Hoboken, N. J.—Free Public Library.....		1	
Holy Cross College		1	
Home Market club		1	
Hunt, N. P.	3	1	39
Huse, W. H.			16
Indian Rights Association		1	
Iowa College		6	

REPORT OF THE TRUSTEES OF THE CITY LIBRARY. 501

	Books.	Pamphlets.	Magazines.
Jenkins, H. M.	3		
Jenkins, M. R.	1		
Jenkins, Mrs. M. W., 4 pictures.			
Jersey City, N. J.—Free Public Library....		1	
Lake Mohonk Conference on International Arbitration		1	
Lamb, F. W.		1	
Lamb, G. H.		1	
Law, M. E.	1		
Lawrence, Mass.—Free Public Library		1	
LeBoeuf, J.	2		
Livingston, C. F.	18		95
Livingston, Mrs. F. C.			70
Lowell, Mass.—City Library		1	
“ “ Textile School		1	
Luce, E. P.			18
McQuesten, J. K.	1		
Madison, Wis.—Free Library	1		
Maimonides Free Library, New York City..	1		
Malden, Mass.—Public Library	1		
Manchester, Eng.—Public Free Libraries Committee		2	
Manchester, N. H.—City Clerk	8		
“ “ City Engineer		1	
“ “ Fire Department		1	
“ “ First Congregational Church		2	
“ “ Street and Park Com- mission		1	
“ “ Superintendent of Pub- lic Instruction		1	
“ “ Water Commission		1	
Mason, H. L.		1	
Massachusetts Institute of Technology....		2	
Medford, Mass.—Public Library		1	
Melrose, Mass.—Public Library		1	
Merchants' Association of New York		2	
Merchants National Bank, Manchester, N. H.			110
Milwaukee, Wis.—Public Library		2	
Minneapolis, Minn.—Board of Park Com- missioners		1	
“ “ Public Library		3	
Moore, E., 6 pictures.			
Moore, Mrs. W. E.			32
Morse Institute, Natick, Mass.		1	
Mount Holyoke College		2	

	Books.	Pamphlets.	Magazines.
New Hampshire.—Insurance Commissioner.	1		
" Secretary of State			1
" State Library	1		
New Hampshire College of Agriculture ..	5	28	
New Hampshire Pharmaceutical Association			1
New Haven, Conn.—Free Public Library...			1
New Jersey.—State Library	1		
New York City.—Bureau of Municipal Accounts			1
" " Mercantile Library			1
Newark, N. J.—Free Public Library			1
Newell, L. E.	2		
Newington, N. H.			1
Newton, Mass.—Free Library			1
O'Reilly, J. T.			1
Palmer, R. H.	1		
Parlin Memorial Library, Everett, Mass. ..			1
Paterson, N. J.—Free Public Library.....			1
Peabody Institute, Baltimore, Md.....			1
Pennsylvania Prison Society			1
Peoria, Ill.—Public Library			1
Perkins Institution and Massachusetts School for the Blind			1
Philadelphia, Pa.—City Institute			1
" " Free Library			1
Pillsbury, A. E.	2		
Portland, Me.—Public Library			1
Princeton University			1
Providence, R. I.—Public Library			1
Reed, A			12
Richards, L. S.	1		
Robbins Library, Arlington, Mass.....			1
Rogers, T. P. W., 1 picture.			
Rochester, N. H.—Public Library.....			1
St. Louis, Mo.—Mercantile Library Association			1
Salem, Mass.—Public Library			2
Scott, W. D.	1		
Scranton, Pa.—Public Library	1	2	
Seattle, Wash.—Public Library			1
Sherman, C.			3
Society for the Protection of New Hampshire Forests			1
Somerville, Mass.—Public Library			1
Southbridge, Mass.—Library Committee ..			1
Springfield, Mass.—City Library Association			1

REPORT OF THE TRUSTEES OF THE CITY LIBRARY. 503

	Books.	Pamphlets.	Magazines.
Staples, C. J.	30	24	
Straw, C. G.			7
Syracuse, N. Y.—Public Library		1	
Theosophical Book Concern	1		
Tolman, M. M., 3 pictures		2	
United States.—Agricultural Department..		38	
“ “ Bureau of Education	2	1	
“ “ Census Office		4	
“ “ Interior Department, 61 atlas sheets	2	14	
“ “ Interstate Commerce Com- mission	1		
“ “ Labor Department	2	6	
“ “ Library of Congress	5	9	
“ “ Smithsonian Institution ..	2	2	
“ “ State Department, 2 atlases	3		
“ “ Superintendent of Docu- ments, 13 atlases, 122 maps	210	201	
“ “ Treasury Department	1	6	
“ “ War Department		2	
Universalist Publishing House	1		
University of Illinois		3	
University of New York	7	3	
Watts, M. A.			386
Way, F. L.		1	
Wellcome Physiological Research Labo- ratories	1		
Welsh, H.		2	
Westborough, Mass.—Public Library		1	
White, J. T. & Co.	1		
Wilmington, Del.—Institute Free Library..		1	
Wisconsin Free Library Commission.....		4	
Woburn, Mass.—Public Library		1	
Woman's Christian Temperance Union, Manchester, N. H.		1	
Woodbury, F. D.		4	
Woodbury, G.		1	
Worcester, Mass.—Free Public Library.....		1	
Youth's Companion Co., 1 calendar.			
	357	497	2,259

Library Publications Received.

Boston Public Library.—Bulletin.
 Brookline Public Library.—Bulletin.

Chicago Public Library.—Bulletin.
 Dover Public Library.—Bulletin.
 Evanston Free Public Library.—Bulletin.
 Holyoke Public Library.—Library Record.
 Iowa Masonic Library.—Bulletin.
 Jersey City Free Public Library.—Library Record.
 Library Company of Philadelphia.—Bulletin.
 Lowell City Library.—Bulletin.
 Lynn Public Library.—Bulletin.
 Milwaukee Public Library.—Quarterly Index.
 Nashua Public Library.—Bulletin.
 New Hampshire Library Commission.—Bulletin.
 New Haven Free Public Library.—Bulletin.
 New York Public Library.—Bulletin.
 Newark Free Public Library.—Library News.
 Providence Libraries.—Bulletin.
 St. Louis Public Library.—Bulletin.
 Salem Public Library.—Bulletin.
 Scranton Public Library.—Bulletin.
 Springfield Public Library.—Bulletin.
 United States Department of Agriculture.—Library Bulletin.
 Whitefield Public Library.—Bulletin.
 Wilmington Institute Free Library.—Bulletin.
 Wisconsin Free Library Commission.—Bulletin.

APPENDIX VI.

List of Periodicals for 1904.

Alpine Journal.
 American Engineer and Railroad Journal.
 American Historical Review.
 American Journal of Science.
 American Monthly Review of Reviews.
 American Naturalist.
 Ancient Free and Accepted Masons of Mass. Proceedings.—Gift.
 Architects' and Builders' Magazine.
 Arena.
 Art Journal.
 Association Review.—Gift.
 Atlantic Monthly.
 Birds and Nature.
 Blackwood's Edinburgh Magazine.—English edition.
 Bookman.
 Boston Society of Natural History.—Memoirs.
 Boston Society of Natural History.—Proceedings.

Builder.
 Bulletin of Bibliography.—Gift.
 Case and Comment.—Gift.
 Century.
 Chambers's Journal.—Monthly.
 Chicago Banker.—Gift.
 Christian Science Journal.—Gift.
 Christian Science Sentinel.—Gift.
 City of Chicago Statistics.—Gift.
 Cornhill Magazine.
 Cosmopolitan.
 Critic.
 Cumulative Book Index.
 Eclectic Magazine.
 Edinburg Review.—English edition.
 Educational Review.
 Electrical World.
 Engineer.—Gift.
 Forum.
 Good Housekeeping.—Gift.
 Good Words.
 Granite Monthly.
 Guidon.—Gift.
 Harper's Monthly Magazine.
 Harper's Weekly.
 Holy Cross Purple.—Gift.
 Horseless Age.
 Independent.—Gift.
 Journal of American Folk-lore.
 Journal of the Franklin Institute.
 Ladies' Review.—Gift.
 Lancet.
 Legal Bibliography.—Gift.
 Leisure Hour.
 Library Journal.
 Life.
 Lippincott's Magazine.
 Literary News.
 Little Folks.
 Living Age.
 London Quarterly Review.
 Longman's Magazine.
 McClure's Magazine.
 Magazine of Art.
 Merchants' Association. Bulletin.—Gift.
 Mount St. Mary's Record.—Gift.
 Nation.

Nature Study.—Gift.
 New England Historical and Genealogical Register.
 New England Magazine.
 New Hampshire College of Agriculture. Bulletins.—Gift
 Nineteenth Century.—English edition.
 North American Review.
 Official Gazette of United States Patent Office.—Gift.
 Ofacle.—Gift.
 Out West.—Gift.
 Outlook.
 Popular Science Monthly.
 Protectionist.—Gift.
 Public Libraries.—Loaned.
 Publishers' Weekly.
 Punch.
 Quarterly Review.—English edition.
 Railroad Gazette.
 Readers' Guide to Periodical Literature.
 St. Nicholas.
 Scientific American.
 Scientific American Supplement.
 Scribner's Magazine.
 Success.—Gift.
 Temple Bar.
 United States Public Documents Catalogue.—Gift.
 Universalist Leader.—Gift.
 Wellspring.—Gift.
 Westminster Review.—English edition.
 Worcester Magazine.—Gift.
 World's Work.
 Youth's Companion.

Newspapers.

Boston Daily Journal.
 Daily Mirror and American.
 Emerald.—Gift.
 Manchester Budget.—Gift.
 Manchester News.—Gift.
 Manchester Union.—Gift.
 Mirror and Farmer.—Gift.
 New Hampshire Farmer.—Gift.
 New York Times. Saturday issue.—Gift.
 New York Tri-weekly Tribune.
 Plymouth Record.—Gift.
 Union Labor Times.—Gift.
 Wall Street Journal. Daily.—Gift.

REPORT
OF THE
COMMITTEE ON CITY FARM.

REPORT OF COMMITTEE ON CITY FARM.

To the Board of Mayor and Aldermen of the City of Manchester:

GENTLEMEN,—The committee on city farm hereby submit their annual report for the year ending December 31, 1903.

The committee, after an impartial inventory, find the personal property of the farm to be as follows:

13 cows	\$585.00	
1 bull	40.00	
2 yearlings	60.00	
7 calves	72.00	
		\$757.00
Horses, hogs, and fowls		2,040.00
Hay, grain, and produce		4,024.50
Wagons, carts, and team furnishings		1,535.75
Farming implements		1,110.00
Household goods		3,201.03
Provisions and fuel		1,000.00
		\$13,668.28
Total		

RECEIPTS AND EXPENDITURES.

Scavenger service	\$2,291.59	
Other sources	2,052.48	
Bills receivable of 1902	414.55	
Bills receivable	40.00	
		\$4,798.62
Cash paid city treasurer	\$4,758.62	
Bills receivable	40.00	
		\$4,798.62
Appropriation	\$8,500.00	
Transferred from unappropriated money	335.58	
		\$8,835.58
By cash receipts of the farm	\$4,344.07	
permanent improvements	1,200.00	
bills receivable	40.00	
balance	3,251.51	
		\$8,835.58
Total expenditures		\$8,835.58
Receipts		\$4,344.07

Number of prisoners	624
Number of week's board	2,507½
Permanent improvements	\$1,200.00
Cost per week for each prisoner	\$1.29½
Stock and household goods	\$13,668.28

The city farm and house of correction was established for the purpose of taking care of the worthy and unfortunate poor of the city, who are without homes of their own, and for the confinement and reformation of prisoners sentenced by the police court for drunkenness.

Only two paupers were cared for during the year. In January a female pauper fell and broke her leg. After the limb was set she tore off the splints. It being impossible to guard against such acts she was removed to the Sacred Heart hospital and died there April 6, 1903, from the effects of the fracture.

There were 78 female and 546 male prisoners sent to the farm, making a total of 624. They have been humanely treated by the superintendent, and showed no dissatisfaction with the treatment received.

The number of weeks board furnished was 2,507½, and the average cost of board for each individual per week was \$1.29½, which we believe compares favorably with former years.

The female prisoners were employed in general household work and the male prisoners in cultivating and improving the farm.

Owing to the drought and successive rains the corn and potato crops were replanted several times and the results obtained were unsatisfactory to the superintendent and the committee.

Following are the crops raised during the year: 330 bushels of potatoes, 400 bushels of corn, 500 bunches of celery, 90 tons of hay, 8 tons of hay (second crop), 8 tons of meadow hay, 15 tons of straw, oats and rye, 20 tons of corn fodder, 4 tons of cabbages, 60 bushels of onions, 300 bushels of beets, 200 bushels of turnips, 150 bushels of mangolds, 25 bushels of parsnips, 150 bushels of carrots. Vegetables for summer use at farm, pork, milk, and eggs for use at farm.

The permanent improvements were as follows:

Digging and building 1,000 feet of new ditches	\$525.00
Digging and rebuilding 1,000 feet of old ditches	400.00
New bathroom	175.00
Cleaning up four acres of land	100.00
Total	<u>\$1,200.00</u>

During the year one half of the main house was reshungled, a new hardwood floor laid in the dining-room of the male prisoners, a part of the buildings painted inside and outside, together with the usual minor repairs of the farm.

On July 16 the buildings were damaged by fire to the amount of \$279.50 and the furniture to the amount of \$15.00. The fire caught in

the women's dormitory and the cause assigned by the chief of the fire department was "rats and matches." The loss was fully covered by insurance and the full amount was paid into the city treasury.

In the spring four yearling heifers were pastured with C. A. Eastman of Concord, N. H. The superintendent has not been able to secure their return or payment therefor. Mr. Eastman claims the heifers either died or were stolen. The matter was referred to the city solicitor for an opinion.

On the first day of April the board of street and park commissioners reduced the amount paid for the garbage teams from \$208.33 to \$166.66 per month, thereby cutting down the revenue of the farm \$375.03 for the year and hereafter \$500.04 annually.

During the year the committee made frequent visits to the farm and overlooked its management, and we take this opportunity of testifying to the abilities of Superintendent and Mrs. Libbey for the positions which they occupied, and to the fact that in our opinion the farm was conducted honestly, economically, and successfully.

Respectfully submitted,

ROLLIN B. JOHNSTON,

G. WALTER TAYLOR.

Committee on City Farm and House of Correction.

MANCHESTER, N. H., March 24, 1904.

REPORT OF OVERSEERS OF THE POOR.

REPORT OF THE OVERSEERS OF THE POOR.

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To His Honor the Mayor and Gentlemen of the City Councils:

In compliance with the ordinance of said city councils, the overseers of the poor herewith present their annual report for the year 1903.

The number of families who have received more or less assistance during the year has been 290, consisting of about 1,450 persons, all of whom have a settlement in this city. The number of persons supported at the county farm has been 13 at a cost of \$2.00 a week each, and one at New Hampshire State hospital at a cost of \$4.00 per week, all of whom are insane or incurable.

The number of children supported at the State Industrial school during the year has been 2, at a cost of \$1.50 per week each. In compliance with sections 1 and 2, chapter 116, Public Statutes of New Hampshire, passed at the session of the legislature, 1895, in relation to dependent minor children being supported at almshouse and kindred institutions, said minor children having a settlement in this city, are supported at the following institutions: At Women's Aid home, 1; at St. Patrick's orphanage, 5; at St. Joseph's Boys' Home, 6; at Infant asylum, 5; at Sacred Heart hospital, 3; at Notre Dame orphanage, 3; at Feeble Minded institution, 1; being 24 in all, at a cost to the city of \$1.25 each per week. Said minor children get a good education and moral training.

The overseers of the poor have given 1,470 orders during the year. Said orders consisted of provisions, fuel, clothing, shoes, medicine, and other emergencies. The amounts allowed by the several wards to persons making application for assistance from time to time are as follows:

Ward 1	\$769.16	
Ward 2	629.79	
Ward 3	206.86	
Ward 4	611.93	
Ward 5	3,275.56	
Ward 6	124.50	
Ward 7	307.25	
Ward 8	1,628.27	
Ward 9	2,560.25	
Ward 10	820.91	
	\$10,934.45	

INCIDENTAL EXPENSES.

C. H. Bodwell, wood	\$489.87	
W. P. Goodman, directories, 1903	27.00	
J. B. Clarke Co., old bill, 1902	5.00	
William Freeman, hack	5.00	
Stamps	1.30	
		\$528.17
		<hr/>
		\$11,462.65
Indigent soldiers		123.20
		<hr/>
		\$11,339.45

Notwithstanding the high price of coal and wood and other necessities of life last winter and the great demand made upon the board for these and other necessities, they consider they were very conservative in their treatment of the poor, and although they have let no one suffer, they have considerably overdrawn their appropriation for the year. Their expenditures were considerably less than the previous year, which they, as a board, consider a satisfactory showing under the circumstances.

Respectfully submitted,

THOMAS C. STEWART,

Clerk.

Aid to Soldiers, Sailors, and their Dependent Families.

To His Honor the Mayor and Gentlemen of the City Councils:

In compliance with sections 1 and 2, chapter 81, Laws of the State of New Hampshire, passed at the session of the legislature in 1881, in relation to indigent soldiers and sailors of the war of the rebellion, the overseers of the poor present their report for the year 1903.

The number of soldiers and sailors assisted during the year has been one, at a cost of one hundred and twenty-three dollars and twenty cents (\$123.20), all of which is

Respectfully submitted,

THOMAS C. STEWART,

Clerk.

RESOLUTIONS, ORDERS, ORDINANCES,
PASSED DURING THE YEAR 1903.

RESOLUTIONS, ORDERS, ORDINANCES, PASSED DURING THE YEAR 1903.

RESOLUTION relating to the Final Transfers for the year 1902.

Resolved by the Common Council of the City of Manchester, in City Council assembled, as follows:

That the city clerk be and hereby is authorized to make the following transfers:

To account of money unappropriated:

From incidental expenses	\$457.43
mayor's incidentals	42.75
auditor's department	188.76
street and park commission	108.99
snow and ice	1,904.11
new highways	2,204.74
watering streets	1,557.24
paving Elm street .....	.78
macadamizing streets	3,584.61
scavenger service	768.98
lighting streets	343.31
city teams	9.24
commons	241.87
South Manchester playground	97.0
board of plumbing examiners	71.14
repairs of schoolhouses	3.34
furniture and supplies	12.62
books and stationery	30.34
printing and advertising	16.82
evening schools	44.65
free text-books	39.23
manual training	1.98
police commission	571.95
police station	109.34
police court	29.22
Pine Grove cemetery	51.49
Valley cemetery	9.29
Amoskeag cemetery	1.10

From Merrill cemetery	\$80.53
city farm	34.88
indigent soldiers	13.00
abatement of taxes	724.77
unappropriated receipts	8,822.01
	<hr/>
	\$22,090.44
From account of money unappropriated:	
To interest	\$1.58
city hall	194.59
printing and stationery	63.45
city officers' salaries	374.41
repairs of highways	5,008.07
land taken for highways	4,191.14
paving streets	768.58
grading for concrete	1,389.37
street sweeping	732.21
bridges	258.38
repairs of sewers	744.44
paving Canal street	221.57
new sewers	1,940.22
Stark park	20.91
Derryfield park	89.65
engineer's department	73.30
health department	690.25
fuel	1,504.02
contingent expenses	7.19
care of rooms	22.13
teachers' salaries	2,779.80
evening school, mechanical drawing	2.00
fire department	7.96
fire-alarm telegraph	137.08
repairs of buildings	161.97
isolation hospital	265.39
South Beech street schoolhouse	1,962.50
paupers off farm	2,566.53
land sold for taxes	911.75
	<hr/>
	\$27,090.44

Passed January 6, 1903.

RESOLUTION recommending Appropriations for the year 1903.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the following appropriations are recommended to the Board of Common Council for the year 1903:

CENTRAL DEPARTMENT.

Interest	\$44,700.00
Sinking fund	31,000.00
City hall	3,800.00
Printing and stationery	1,600.00
Incidental expenses	7,000.00
Land sold for taxes	6,800.00
Mayor's incidentals	300.00
City officers' salaries	26,300.00
Payment of funded debt	10,000.00
Auditor's department	2,000.00
Abatement of taxes	2,000.00
State tax	63,869.00
County tax	94,382.00
Revision of ordinances	600.00

FIRE DEPARTMENT.

Salaries, expenses, etc.	\$72,260.00
Hydrant service	19,200.00

PUBLIC BUILDINGS.

Repairs on public buildings	\$4,750.00
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HEALTH DEPARTMENT.

Salaries, expenses, etc.	\$5,100.00
Care of hospitals	1,500.00
Permanent fund for smallpox	4,000.00

CITY LIBRARY.

Salaries, expenses, etc.	\$6,602.00
Children's reading room	500.00

LIGHTING STREETS DEPARTMENT.

Lighting streets	\$57,000.00
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PATRIOTIC, CHARITABLE, AND PHILANTHROPIC.

Support of paupers off farm	\$15,000.00
Support of indigent soldiers and sailors	200.00
Maintenance of city farm	8,500.00
Women's Aid Home	300.00
Elliot hospital	300.00
Sacred Heart hospital	300.00
Notre Dame de Lourdes hospital	300.00
Mercy home	300.00
Infant asylum (Our Lady of Perpetual Help).....	300.00

Decoration of soldiers' graves	\$400.00
Militia (same companies and posts as in 1902)	800.00
Band concerts and stands for same	450.00

PUBLIC PLACES.

Care of Pine Grove cemetery	\$10,000.00
Care of Valley cemetery	3,654.70
Care of Merrill yard	100.00
Care of Amoskeag cemetery	250.00
Plumbing examiners	100.00
South End playground	100.00
Setting trees	200.00
North End playground	100.00
West Side playground	50.00

Passed January 20, 1903.

RESOLUTION recommending an Appropriation for Infant Asylum.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That an appropriation of three hundred dollars be and hereby is recommended to the board of common council, said sum of three hundred dollars to be paid to the Infant Asylum of Our Lady of Perpetual Help, an institution for the care of infants, located in the city of Manchester.

Passed January 20, 1903.

RESOLUTION making a Temporary Loan of Three Hundred Thousand Dollars.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That for the purpose of paying such claims against the city as may fall due before the nineteenth day of December, 1903, the city treasurer be and hereby is authorized to make such temporary loans from time to time for the use of the city of sums not exceeding the amount of three hundred thousand dollars, being in anticipation of the taxes of the present year, giving for the same the notes of the city signed by the city treasurer and countersigned by the mayor.

Passed February 14, 1903.

RESOLUTION relating to Lighting the City of Manchester with Electricity.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

WHEREAS, The contract to light the city of Manchester with electricity expires on the twenty-third day of May, 1903; therefore be it

Resolved, That the mayor and standing committee on lighting streets be and are hereby instructed to investigate the matter of lighting said city on and after said date, and report the result of their investigation to the board of aldermen at their earliest convenience; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed March 3, 1903.

RESOLUTION requiring the Imprint of the Union Label of the Typographical Union of the City of Manchester upon all City Printing.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

WHEREAS, Owing to the close competition in all lines of business and industry it is necessary to form organizations for the purpose of bringing into closer relations and advancing the interests of those engaged in any of the various industries so numerous in our midst; and

WHEREAS, Labor organizations have formed for the purpose of advancing the interests and bettering the condition of the masses who depend upon their daily labor for their means of sustenance; and

WHEREAS, We believe that as representatives of the inhabitants of Manchester we can show our appreciation for our constituency in no better way than by recognizing the benefits derived from such organizations by the community in which they are located; therefore be it

Resolved, That in the future all job printing done for the city of Manchester, of whatever kind or nature, shall bear the imprint of the union label of the Typographical Union No. 152, of the city of Manchester, and all officers and employees of said city are hereby instructed not to contract for or accept any other; and be it further

Resolved, That all officials of the city of Manchester when advertising for printed matter of whatever kind or nature shall insert a notice that all bids for the same shall be submitted in accordance with the provisions of this resolution; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed March 3, 1903.

RESOLUTION relating to Interest on Deposits of the City of Manchester.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the moneys of the city of Manchester be deposited in such bank or banks in said city as shall pay the largest rate of interest to said city of Manchester upon daily balances in said bank or banks from the first day of May, 1903, to the first day of May, 1904, and that the city treasurer be and hereby is instructed to advertise for bids from the banks of the city of Manchester by sending to each of said banks a copy of this resolution; the city of Manchester by its agent, the treasurer of said city, reserving the right to reject any and all bids and call for such other bids as may be necessary to carry out the intention of this resolution; and be it further

Resolved, That the mayor and the treasurer of said city of Manchester are hereby authorized and empowered to accept such bid or bids as will give the city of Manchester the largest rate of interest upon the daily balances on deposits of the moneys of said city of Manchester in said bank or banks from the first day of May, 1903, to the first day of May, 1904; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed April 7, 1903.

RESOLUTION relating to the Distribution of the Fire Apparatus at the Central Station.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the committee on fire department be and are hereby authorized to investigate the matter of securing a site, by lease or purchase, for the purpose of installing one of the steam fire engines and fire engine companies now situated at the Central Fire Station, on Elm street, south of Central street, and said committee are hereby instructed to report the result of their investigation to the board of mayor and aldermen at their earliest convenience.

Passed April 7, 1903.

RESOLUTION relating to the Monthly Payment of the Salaries of City Officials.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the city auditor be and hereby is authorized to approve monthly the bills of the mayor, city clerk, city auditor, city treasurer, collector of taxes, city engineer, inspector of buildings, superintendent of schools, truant officer, superintendent and matron of city farm, city solicitor, city physician, and chief of the fire department for their respective salaries; and be it further

Resolved, That the city treasurer be and hereby is authorized to pay the aforesaid salaries in monthly payments on the first day of each and every month; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed April 7, 1903.

RESOLUTION relating to Proposals for Lighting the City of Manchester.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the mayor and standing committee on lighting streets be and are hereby authorized to advertise and receive proposals for lighting the streets and public buildings of the city of Manchester for a term of one year from the twenty-third day of May, nineteen hundred and three; also for a term of three or five years from the twenty-third day of May, nineteen hundred and four; said proposals to be in accordance with such specifications as the mayor and standing committee on lighting streets shall submit; and be it further

Resolved, That no proposal shall be accepted by the mayor and standing committee on lighting streets unless accompanied by a certified check of an amount not exceeding fifty thousand dollars, as determined by the mayor and standing committee on lighting streets; and be it further

Resolved, That the mayor and standing committee on lighting streets report to the board of mayor and aldermen on or before the fifth day of May, nineteen hundred and three, a list of such proposals submitted to them, together with such recommendation or recommendations as in their judgment they shall determine is for the best interests of the city of Manchester; and be it further

Resolved, That the board of mayor and aldermen hereby reserve the right to reject any and all such proposals as may be received by said mayor and standing committee on lighting streets; and be it further

Resolved, That before proceeding to advertise for bids to light the city the mayor and committee on lighting streets be directed to obtain and submit to the full board, at a special meeting, one week from tonight, a proposition from the Manchester Traction, Light & Power Company for lighting the streets of Manchester; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed April 7, 1903.

RESOLUTION relating to Horse Hire for the City Engineer.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the sum of one hundred and fifty dollars be allowed the city engineer of the city of Manchester annually for horse hire, said sum of

one hundred and fifty dollars to be charged to the appropriation for city engineer's department; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed April 14, 1903.

RESOLUTION relating to a Contract with the Manchester Traction, Light & Power Company to Light the Streets of the City of Manchester.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

WHEREAS, The contract to light the city of Manchester with electric arc lights of two thousand candle power each, entered into by the city of Manchester and the Manchester Electric company May 23, 1893, expires on the 23d day of May, 1903; therefore be it

Resolved, That the mayor and committee on lighting streets be and are hereby instructed to prepare a resolution to be presented at the regular meeting of the board of mayor and aldermen May 5, 1903, authorizing the mayor of the city of Manchester to execute a contract with the Manchester Traction, Light & Power Company to light the streets of the city of Manchester with enclosed electric arc lights of two thousand candle power each, said lights to burn from twilight to twilight upon every night of the year, with proper reduction for lamps failing to burn, and such other conditions as in the opinion of the mayor and committee on lighting streets shall be for the best interests of the city of Manchester, the price of said lights to be ninety dollars per year in monthly payments of seven dollars and fifty cents each, payable on or before the fifth day of each and every succeeding month; said contract to be for a term of five years; and be it further

Resolved, That the mayor and committee on lighting streets also present to the board of mayor and aldermen at the meeting of May 5, 1903, a blank contract between the city of Manchester and the Manchester Traction Light & Power Company, prepared in accordance with the conditions above set forth; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed April 14, 1903.

RESOLUTION authorizing the Mayor to Execute the Electric Light Contract.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the mayor be and hereby is authorized to execute on behalf of the city the contract made between said city and the Manchester Trac-

tion, Light & Power Company of said Manchester, which contract provides for the lighting of the streets, roads, bridges, and other public places of said city for a term of five years, said contract to be signed by the mayor for the city after it shall have been adopted by the board of mayor and aldermen.

Passed May 11, 1903.

RESOLUTION relating to Employment of Union Labor of the city of Manchester in and upon the Public Works of said City and Fixing the Hours of a day's Labor in the City Departments of said City.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That all committees and heads of all departments of the city of Manchester be and hereby are instructed to insert a clause providing for the employment of union labor in all contracts for public buildings or works to which the city shall be a party; and be it further

Resolved, That all committees and heads of said departments be and are hereby instructed to employ only union labor of said city in the building, altering, and repairing of public buildings or works of said city; and be it further

Resolved, That when the said city shall find it necessary to employ a class of labor which has no union organization, this resolution so far as it relates to the employment of union labor shall not apply, but in such cases the preference, so far as possible, shall be given to residents of said city; and be it further

Resolved, That in all departments of said city, excepting the fire, street, and police departments, a day's labor shall not exceed nine hours; and be it further

Resolved, That for the purpose of this resolution union labor shall mean organized labor under the jurisdiction of union associations; and be it further

Resolved, That the resolution passed by the board of mayor and aldermen April 1, 1902, relating to the employment of residents of the city of Manchester and fixing the hours of a day's labor in the city departments in said city, be and hereby is repealed; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed June 2, 1903.

RESOLUTION relating to a Side Track of the Portsmouth Branch of the Boston & Maine Railroad across Taylor street.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That for the accommodation of Sidney A. Blood leave be and it hereby is granted to the Portsmouth branch of the Boston & Maine Railroad,

to construct a side track from about fifty feet east of the east line of Taylor street, thence across Taylor street along the north side of the tracks of said railroad about three hundred feet.

Passed July 10, 1903.

RESOLUTION relating to the Removal of Wires, Poles, and Structures not used at the present time by Electric Light, Telephone, and Telegraph Companies.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

WHEREAS, An act approved March 29, 1893, establishing a board of street and park commissioners empowered said board to regulate the construction and maintenance in, over, and along the highways of the city of all wires, pipes, and other structures belonging to private corporations or individuals, which then or thereafter should be permitted, by vote of the mayor and aldermen to be placed in, over, and along said highways; and

WHEREAS, The board of mayor and aldermen have transferred their authority in said locations to the board of street and park commissioners; and

WHEREAS, Certain companies receiving such locations are not at the present time doing business in the city, and certain companies doing business are not using all of said locations; therefore be it

Resolved, that the board of street and park commissioners be and are hereby requested to notify such companies to remove all wires, poles, and other structures not used at the present time by electric light, telephone, and telegraph companies in the conduct of their business; and be it further

Resolved, That in the case of the failure of said companies to comply with the said notification the board of street and park commissioners be and are hereby requested to proceed in accordance with the provisions of the Public Statutes for the removal of the said wires, poles and structures.

Passed September 1, 1903.

RESOLUTION upon the death of Alderman Alvin H. Keith.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

WHEREAS, The Almighty has taken from us our friend and brother, Alvin H. Keith, whose staunch fidelity, kindly counsel, and cheery presence we shall always cherish; therefore be it

Resolved, That in his death we have lost a true friend, and the city of

Manchester one of her most faithful, upright, and devoted servants; and be it further

Resolved, That these resolutions be made a part of the records, and that a copy be sent to the stricken widow, with our deep and heartfelt sympathy, and may the grief in the great affliction which has come upon the widow, father, and brothers, be softened by the knowledge that the loss is not theirs alone but that all who knew him share their sorrow.

Passed December 8, 1903.

AN ORDER to purchase Hay, Straw, and Grain for use in the Fire Department.

Ordered, That the mayor and standing committee on fire department be and hereby are instructed to purchase all hay, straw, and grain used in the fire department of the city of Manchester for the ensuing year, the expense thereof to be charged to the appropriation for fire department.

Passed March 3, 1903.

AN ORDER to print Mayor Reed's Inaugural Address.

Ordered, That the standing committee on finance be and are hereby authorized to procure for the use of the mayor two hundred copies of Mayor Reed's inaugural address, the expense thereof to be charged to the appropriation for printing and stationery.

Passed March 3, 1903.

AN ORDER relating to the Repairs on Public Buildings.

Ordered, That the mayor and committee on lands and buildings be and are hereby authorized and empowered to make such necessary repairs in and upon the public buildings of said city as shall not exceed the appropriation for that purpose, and that the expense thereof be charged to the appropriation for repairs on public buildings.

Passed March 3, 1903.

AN ORDER to print the Fifty-seventh Annual Report of the Receipts and Expenditures of the City of Manchester.

Ordered, That the committee on finance be and are hereby authorized to procure for the use of the inhabitants of said city the printing of the fifty-seventh annual report of the receipts and expenditures of the city of Manchester, including the reports of the city auditor, the school

board, and superintendent of schools, superintendent of water-works, water commissioners, engineer of fire department, overseers of the poor, trustees, librarian, and treasurer of the city library, committee on cemeteries, standing committee on city farm, city physician, city solicitor, city engineer, street and park commissioners, and such other matter relative to city affairs as said finance committee may direct; the expense thereof to be charged to the appropriation for printing and stationery.

Passed March 3, 1903.

AN ORDER to erect a Welsbach Gas Light.

Ordered. That the committee on lighting streets be and are hereby authorized to erect a Welsbach gas light at the west end of Kidder Court, as petitioned for in the petition of C. F. Read, et als., with proper fixtures for maintaining same; the expense thereof to be charged to the appropriation for lighting streets.

Passed April 7, 1903.

AN ORDER to macadamize Lincoln Street from Lake Avenue to Cedar Street.

Ordered. That the board of street and park commission be and are hereby authorized and requested to macadamize Lincoln street from Lake avenue to Cedar street; the expense thereof to be charged to the appropriation for macadamizing streets.

Passed April 14, 1903.

AN ORDER to establish a Welsbach Gasoline Light.

Ordered. That the committee on lighting streets be and are hereby authorized to establish a Welsbach gasoline light at the corner of Jones and Nelson streets, as petitioned for in the petition of George Franklyn Willey, et als., with proper fixtures for lighting the same; the expense thereof to be charged to the appropriation for lighting streets.

Passed April 14, 1903.

AN ORDER to erect Two Electric Lights.

Ordered. That the committee on lighting streets be and are hereby authorized to erect an electric light at the corner of Carpenter and Chestnut streets, as petitioned for in the petition of Leonard G. Smith, et als., and an electric light at the corner of Calef road and Baker street

as petitioned for in the petition of W. B. Melvin, et als., with proper fixtures for lighting the same; the expense thereof to be charged to the appropriation for lighting streets.

Passed April 14, 1903.

AN ORDER to build a certain Sewer in Clarke Street.

Ordered, That the board of street and park commissioners be and are hereby authorized to build a certain sewer as follows: Beginning at the sewer line of Elm street and thence in an easterly direction to the sewer line of Chestnut street in Clarke street; the expense thereof to be charged to the appropriation for new sewers.

Passed April 14, 1903.

AN ORDER to build a certain Sewer in Bay Street.

Ordered, That the board of street and park commissioners be and are hereby authorized to build a certain sewer as follows: Beginning at the sewer line of Clarke street and thence in a northerly direction to the sewer line of Carpenter street in Bay street; the expense thereof to be charged to the appropriation for new sewers.

Passed April 14, 1903.

AN ORDER to purchase one Deluge Set.

Ordered, That the committee on fire department be and are hereby authorized to purchase one deluge set for use in the fire department; the expense thereof to be charged to the appropriation for fire department.

Passed April 14, 1903.

AN ORDER in relation to the Decoration of Soldiers' Graves.

Ordered, That the Louis Bell Post, No. 3, G. A. R., be authorized to expend the sum of three hundred dollars, said sum of three hundred dollars to be used for the decoration of soldiers' graves of the said Louis Bell Post; and said Post be also authorized to expend the sum of fifty dollars, said sum of fifty dollars to be used for the decoration of the graves of Spanish-American war veterans; and the Joseph Freschel Post, G. A. R., be authorized to spend the sum of fifty dollars, said sum of fifty dollars to be used for the decoration of soldiers' graves; said decorations to be upon Memorial day and under the direction of the mayor. Said sum of three hundred dollars, fifty dollars, and fifty dollars to be charged to the appropriation for decoration of soldiers' graves.

Passed May 13, 1903.

AN ORDER to build a certain Sewer in Maple and Cedar South Back Streets.

Ordered. That the board of street and park commissioners be and are hereby authorized to build a certain sewer as follows: Beginning at the sewer in Cedar street and thence in a southerly direction in Maple street to the sewer line of Cedar south back street, thence easterly in Cedar south back street to the sewer line of Lincoln street; and the expense thereof to be charged to the appropriation for new sewers.

Passed May 13, 1903.

AN ORDER to erect Five Electric Lights.

Ordered. That the committee on lighting streets be and hereby is authorized as the agent of the board of aldermen to erect certain electric lights with proper fixtures for maintaining the same; the expense thereof to be charged to the appropriation for lighting streets, said lights to be located as follows, viz.:

Corner of Beech and North streets, as petitioned for by E. Clark Smith; corner of Somerville and Cypress streets, as petitioned for by Fred Chalker, et als.; corner of Bridge and Weston streets, as petitioned for by L. M. Aldrich, et als.; junction of Nutt road and Willow street, as petitioned for by the Manchester Coal & Ice Co., et als.; north side of Massabesic street, between the J. Hall road and the Kimball Shoe Factory, as petitioned for by L. M. Streeter, et als.

Passed May 13, 1903.

AN ORDER to Revise and Print City Ordinances.

Ordered. That the mayor be and hereby is appointed the agent of the board of mayor and aldermen to employ some suitable person to revise the city ordinances, and cause to be printed not more than five hundred copies of such revised ordinances for the use of the city; the expense thereof to be charged to the appropriation for revision of ordinances.

Passed May 13, 1903.

AN ORDER relating to Band Concerts.

Ordered. That the mayor be and hereby is authorized and empowered to expend such sum or sums the present year for open air band concerts as shall not exceed the sum of four hundred dollars, said sum of four hundred dollars to be divided equally between the Turner Brass band, St. Mary's band, Cadet band, City band, and Manchester Military band,

and said sum of four hundred dollars to be charged to the appropriation for band concerts.

Passed May 13, 1903.

AN ORDER to erect Five Electric Lights.

Ordered, That the committee on lighting streets be and are hereby authorized as the agent of the board of mayor and aldermen to erect five electric arc lights of two thousand candle power each with proper fixtures for maintaining same; the expense thereof to be charged to the appropriation for lighting streets. Said lights to be located as follows:

Corner of Riley avenue and Hayward street, as petitioned for by Cyrus Dean, et als.; corner of Bay and Salmon streets, as petitioned for by E. W. Harrington, et als.; corner of Amory and Dubuque streets, as petitioned for by T. J. Labrecque, et als.; corner of Cartier street and Coolidge avenue, as petitioned for by William Marcotte, et als.; on Coolidge avenue opposite Beauport street, as petitioned for by Arthur Provost, et als.

Passed June 26, 1903.

AN ORDER to build certain Sewers.

Ordered, That the board of street and park commissioners be and are hereby authorized to build certain sewers as follows:

Beginning at the sewer line of Maple street and thence in an easterly direction to 219.2 feet in Prescott street; beginning at the sewer line of Jewett street and thence in a westerly direction to the sewer line of Cypress street in Clay street; beginning at the sewer line of Grove street and thence in a northerly direction to the sewer line of Summer street in Hosley street; and the expense thereof be charged to the appropriation for new sewers.

Passed June 26, 1903.

AN ORDER to build the Ursula Chapel at the Pine Grove Cemetery.

Ordered, That the mayor and sub-trustees on Pine Grove cemetery be and are hereby appointed agents of the board of mayor and aldermen and be and are hereby authorized to build a chapel on Chapel Hill, so called, in Pine Grove cemetery, said chapel to be known as the Ursula chapel, and the expense thereof to be charged to the bequest of the late Fanny E. A. Riddle, said bequest having been accepted by the board of mayor and aldermen August 8, 1902, and having been paid into the treasury of the city of Manchester by the executor, Henry E. Burnham,

said chapel to be built in accordance with section two of the will of the late Fanny E. A. Riddle, a copy of which is on file in the office of the city clerk of the city of Manchester.

Passed July 31, 1903.

AN ORDER to erect Electric Lights.

Ordered. That the committee on lighting streets be and are hereby authorized to erect electric lights with proper fixtures for maintaining the same; the expense thereof to be charged to the appropriation for lighting streets; said lights to be located as follows:

Corner of Massabesic and Spruce streets, as petitioned for by Lang & Reuter, et als.; corner of Bridge and Russell and Malvern streets, as petitioned for by J. B. McCrillis & Son, et als.; corner of Titus avenue and Beech street.

Passed July 31, 1903.

AN ORDER to erect a Welsbach Gasoline Light.

Ordered. That the committee on lighting streets be and are hereby authorized to erect a Welsbach gasoline light, with proper fixtures for maintaining the same, the expense thereof to be charged to the appropriation for lighting streets, said light to be located as follows: On the Lake Shore road, near the Luther Proctor house, as petitioned for by Mrs. Luther S. Proctor, et als.

Passed July 31, 1903.

AN ORDER to build certain Sewers.

Ordered. That the board of street and park commissioners be and are hereby authorized to build certain sewers as follows:

Beginning at the sewer line of Pine street and thence in a westerly direction to the sewer line of Chestnut street in Sagamore street; beginning at the sewer line of Belmont street and thence in an easterly direction to the sewer line of Beacon street in East High street; beginning at the sewer line of Webster street and thence in a northerly direction 500 feet in Walnut street; beginning at the sewer line of Beacon street and thence in an easterly direction to the sewer line of Weston street in Lowell street; thence in a southerly direction to the sewer line of Concord street in Weston street; and the expense thereof be charged to the appropriation for new sewers.

Passed July 31, 1903

AN ORDER to erect one Welsbach Gasoline Light.

Ordered. That the committee on lighting streets be and are hereby authorized to erect one Welsbach gasoline light, with proper fixtures for maintaining the same, the expense thereof to be charged to the appropriation for lighting streets; said light to be located as follows: On Calef road in front of the residence of Lizzie A. Burns, as petitioned for by L. A. Burns.

Passed September 1, 1903.

AN ORDER to erect Electric Lights.

Ordered. That the committee on lighting streets be and are hereby authorized to erect electric arc lights with proper fixtures for maintaining the same, the expense thereof to be charged to the appropriation for lighting streets, said lights to be located as follows:

On Amherst street, rear entrance to Sacred Heart hospital, as petitioned for by Denis M. Bradley; corner of Harrison and Union streets, as petitioned for by W. Northey Jones; corner of Amherst and Dutton streets, as petitioned for by Charles H. Clark; corner of Green and Union streets, as petitioned for by Thomas Welch; corner of Auburn and Lincoln streets, as petitioned for by John J. McTiernan; corner of Wentworth and West Hancock streets, as petitioned for by G. Walter Taylor; corner of Prince and B streets, as petitioned for by Julius Mertinath; corner of Walker and Third streets, as petitioned for by Harry K. Potts; on South Main street about six hundred feet south of A street, as petitioned for by G. W. Taylor.

Passed September 1, 1903.

AN ORDER to erect an Electric Light.

Ordered. That the committee on lighting streets be and are hereby authorized to erect an electric light with proper fixtures for maintaining the same, the expense thereof to be charged to the appropriation for lighting streets; said light to be located as follows: Corner of Summer and Pine streets, as petitioned for by Mary Nolan, et als.

Passed September 25, 1903.

AN ORDER to erect Seven Welsbach Gasoline Lights.

Ordered. That the committee on lighting streets be and are hereby authorized to erect seven Welsbach gasoline lights with proper fixtures for maintaining the same, the expense thereof to be charged to

the appropriation for lighting streets, said lights to be located as follows:

Corner of Merrill and Nutt road, as petitioned for by W. H. Marshall, et als.; corner of Mill and Harvey roads, as petitioned for by William H. Marshall, et als.; corner of Nutt and Derry roads, beyond bridge over Cohas brook, as petitioned for by William H. Marshall, et als.; on Nutt road opposite Mark Harvey's and opposite Flanders' and Marshall's, as petitioned for by William H. Marshall, et als.; corner of Harvey and South roads, and on the Harvey road on the Dickey hill, as petitioned for by William H. Marshall, et als.

N. B.—This order was amended September 25, 1903, by substituting the words "Willow street" for "Nutt road," Nutt road having been changed to Willow street, July 7, 1903.

Passed as amended September 25, 1903.

AN ORDER paying the City Physician for Extra Services rendered the City in the year 1903.

Ordered. That the city auditor is hereby ordered to approve and the city treasurer is hereby ordered to pay the sum of three hundred and eighty-three dollars (\$383.00) to John H. DeGross, M. D., said sum of three hundred and eighty-three dollars to be extra compensation to the city physician for services rendered the board of health from April 11, 1903, to August 5, 1903, in inspecting and caring for smallpox patients and vaccinations for the prevention of smallpox, said sum of three hundred and eighty-three dollars to be charged to the appropriation for incidental expenses.

Amend order by striking out the words "incidental expenses" in the last line after the words "appropriation for" and inserting in place thereof the words "health department."

Passed as amended November 3, 1903.

AN ORDER to build certain Sewers.

Ordered. That the board of street and park commissioners be and are hereby authorized to build certain sewers as follows:

Beginning at the sewer line of Prince street and thence in a southerly direction to the sewer line of McDuffie street in Huntress street; beginning at the sewer line of Pine street and thence in a westerly direction to the sewer line of Chestnut street in Sagamore street; and the expense thereof be charged to the appropriation for new sewers.

Passed November 3, 1903.

AN ORDER to erect Four Welsbach Gas Lights.

Ordered, That the committee on lighting streets be and are hereby authorized to erect four Welsbach gas lights with proper fixtures for maintaining the same; the expense thereof to be charged to the appropriation for lighting streets; said lights to be located as follows:

Corner of Albert and Harrison streets, as petitioned for in the petition of Charles E. Green, et als.; corner of River road and Thayer street, as petitioned for in the petition of E. A. Smith; on Chestnut street between North and Webster streets, as petitioned for in the petition of W. G. Africa, et als.; on Lake Shore road, near the residence of J. H. Paige, as petitioned for in the petition of J. H. Paige, et als.

Passed December 1, 1903.

AN ORDER to erect Four Electric Lights.

Ordered, That the committee on lighting streets be and are hereby authorized to erect four electric arc lights with proper fixtures for maintaining the same, the expense thereof to be charged to the appropriation for lighting streets, said lights to be located as follows:

Corner of Brook and Walnut streets, as petitioned for in the petition of H. C. Graupner, et als.; corner of Orange and Maple streets, as petitioned for in the petition of George Bisco, et als.; corner of Union and Trenton streets, as petitioned for in the petition of Charles R. Hodge, et als.; on Auburn street near the entrance to the Elliot hospital, as petitioned for in the petition of S. N. Bourne, et als.

Amend title by striking out the word "four" and inserting in place thereof the word "eight," and amend order in the second line after the word "erect" by striking out the word "four" and inserting in place thereof the word "eight," and at the end of said order by adding the following locations:

Corner of Franklin and Central streets, as petitioned for by I. Resnik, et als.; corner of Sagamore and Maple streets, as petitioned for by George E. Trudel, et als.; corner of Summer and Union streets, as petitioned for by R. J. Barry; on Harrison street, between Belmont and Hall streets, as petitioned for by E. G. Reed, et als.

Passed as amended December 1, 1903.

AN ORDINANCE in amendment of Section 6, Chapter 23, of the Laws and Ordinances of the City of Manchester, relating to the salary of the City Weigher.

Be it ordained by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

SECTION 1. Amend section 6 of chapter 23 of the Laws and Ordinances of the city of Manchester in the fifteenth line of said section

after the word "of" by striking out the word "four" and inserting in place thereof the word "five," so that said section as amended shall read as follows:

"SECT. 6. It shall be the duty of weighers to attend personally at the scales which may be assigned to them, respectively, to deliver to the driver of every load weighed a certificate in such form as is hereinafter provided, to keep an account of all hay and other articles which shall be weighed at such scales in books to be furnished by the city clerk, which shall always be open to inspection and when filled shall be deposited in his office. They shall settle their accounts quarterly with the city auditor, and shall pay over to him, for the city, all the fees receivable by them respectively for weighing. The weigher in charge of the city scales at the city yard on Franklin street shall receive as full compensation as weigher, the sum of five hundred dollars a year to be paid in equal monthly payments."

SECT. 2. This ordinance shall take effect upon its passage.

Passed to be ordained April 7, 1903.

AN ORDINANCE in amendment of an ordinance relating to Permanent Members of Fire Department.

Be it ordained by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

Amend ordinance passed March 5, 1895, entitled "An ordinance relating to permanent members of fire department" in the second line of said ordinance after the word "allowed," by striking out the word "one" and inserting in place thereof the word "two," so that said ordinance as amended shall read as follows:

"That each permanent member of the fire department shall be allowed two whole day's leave of absence in each month in addition to two weeks vacation in each year, without loss of pay, but the chief engineer shall determine what days the leave of absence shall be granted.

"Permanent men out of the city on any such days shall be accounted present at roll call and not subject to a fine for absence.

"No leave of absence shall ever be granted any member of the department on the fourth day of July of any year, and all members absent on leave shall report at their company quarters at 8 o'clock in the evening of July 3 of each year."

All ordinances inconsistent herewith are hereby repealed.

Passed to be ordained June 2, 1903.

AN ORDINANCE relating to the pay of Ward Officers at Special Elections holden in the City of Manchester in the year 1903.

Be it ordained by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

SECTION 1. That for the purpose of this ordinance sections 21 and 22 of chapter 6 of the Laws and Ordinances of the city of Manchester as amended December 1, 1896, be amended so that the moderators, selectmen, and ballot inspectors of the several wards in said city shall receive for their services at the special elections holden in said wards on the tenth day of March, 1903, and the twelfth day of May, 1903, in addition to their respective salaries as such ward officers the sum of ten dollars, and that the clerks of the several wards in said city shall receive for their services at said special elections in addition to their respective salary as such ward officer the sum of fifteen dollars.

The intent of this ordinance being to pay all ward officers for services rendered prior or at the special elections holden in the several wards in the city of Manchester on the tenth day of March, 1903, and the twelfth day of May, 1903.

SECT. 2. This ordinance shall take effect upon its passage.

Passed to be ordained June 27, 1903.

AN ORDINANCE changing names of Certain Streets.

Be it ordained by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

SECTION 1. That the names of certain streets in said city be changed as follows: Adams street in South Manchester from Brown avenue to the Boston & Maine Railroad right of way, to Vernon street.

SECT. 2. This ordinance shall take effect upon its passage.

Passed to be ordained July 7, 1903.

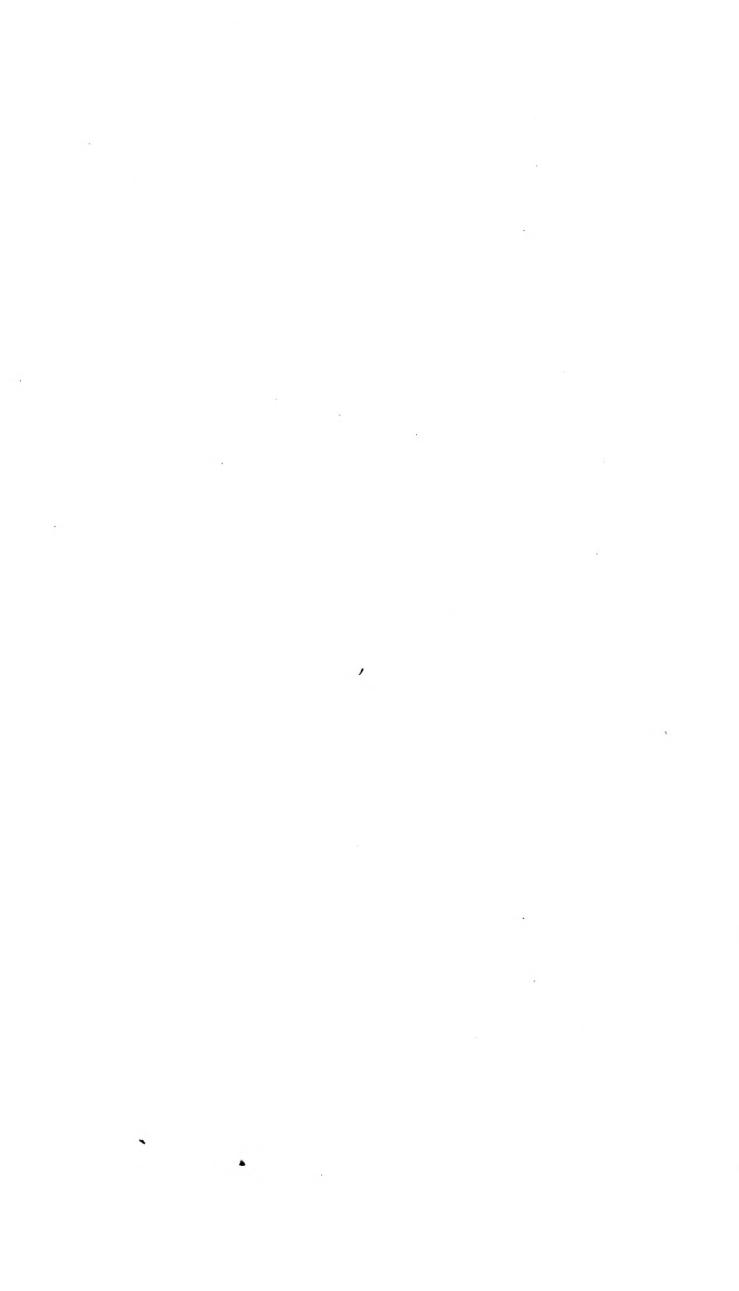
AN ORDINANCE changing names of Certain Streets.

Be it ordained by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

SECTION 1. That the names of certain streets in said city be changed as follows: Nutt road in Manchester from Hayward street southerly to the Manchester-Londonderry town line, to Willow street.

SECT. 2. This ordinance shall take effect upon its passage.

Passed to be ordained July 7, 1903.



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